ELSEVIER

Journal of Hydrology 187 (1996) 387–407

Journal of Hydrology

Cumulative Author Index Volumes 174–186

Adams, R., see Dunn, S.M. et al.
Adams, R., see Lunn, R.J. et al.
Aerts, J., see Bouten, W. et al.
Ahmadi, A. and Quintard, M.
Large-scale properties for two-phase flow in random porous media 183 (1996) 69
Aizen, E.M., see Aizen, V.B. et al.
Aizen, V.B., Aizen, E.M. and Melack, J.M.
Precipitation, melt and runoff in the northern Tien Shan 186 (1996) 231
Al, T.A. and Blowes, D.W.
Storm-water hydrograph separation of run off from a mine-tailings impoundment formed by thickened tailings discharge at Kidd Creek, Timmins, Ontario 180 (1996) 55
Al-Turbak, A.S.
Geomorphoclimatic peak discharge model with a physically based infiltration component 176 (1996) 1
Allen, P.M. see Arnold, J.G.
Amatya, D.M., Skaggs, R.W. and Gregory, J.D.
Effects of controlled drainage on the hydrology of drained pine plantations in the North Carolina coastal plain 181 (1996) 211
Amin, I.E. and Campana, M.E.
A general lumped parameter model for the interpretation of tracer data and transit time calculation in hydrologic systems 179 (1996) 1
Anderson, J.M. see Whelan, M.J.
Andersson, L., see Arheimer, B. et al.
Andreu, J., Capilla, J. and Sanchís, E.
AQUATOOL, a generalized decision-support system for water-resources planning and operational management 177 (1996) 269
André, C., see Gárfias, J. et al.
André, C., see Gárfias, J. et al.
Andrieu, H., French, M.N., Thauvin, V. and Krajewski, W.F.
Adaptation and application of a quantitative rainfall forecasting model in a mountainous region 184 (1996) 243
Anselmo, V., Galeati, G., Palmieri, S., Rossi, U. and Todini, E.
Flood risk assessment using an integrated hydrological and hydraulic modelling approach: a case study 175 (1996) 533
Antigüedad, I., see Gárfias, J. et al.
Antigüedad, I., see Gárfias, J. et al.
Antigüedad, I., see Gárfias, J. et al.
Aquilina, L., Eberschweiler, C., Perrin, J. and Geology of France Team, Deep
Comparison of hydrogeochemical logging of drilling fluid during coring with the results from geophysical logging and hydraulic testing Example of the Morte-Mérie scientific borehole, Ardèche–France, Deep Geology of France Programme 185 (1996) 1
Arain, A.M., Michaud, J., Shuttleworth, W.J. and Dolman, A.J.
Testing of vegetation parameter aggregation rules applicable to the Biosphere–Atmosphere Transfer Scheme (BATS) and the FIFE site 177 (1996) 1
Arendt, T., Islam, S. and Hu, Z.
A factorial study of the energy and moisture transfer processes at the land surface 174 (1996) 263

Arheimer, B., Andersson, L. and Lepistö, A.
Variation of nitrogen concentration in forest streams — influences of flow, seasonality and catchment characteristics 179 (1996) 281
Arnbjerg-Nielsen, K. and Harremoës, P.
The importance of inherent uncertainties in state-of-the-art urban storm drainage modelling for ungauged small catchments 179 (1996) 305
Arnell, N.W. and Reynard, N.S.
The effects of climate change dur to global warming on river flows in Great Britain 183 (1996) 397
Arnold, J.G. and Allen, P.M.
Estimating hydrologic budgets for three Illinois watersheds 176 (1996) 57
Arthaud, F., see Léonardi, V. et al.
Ashkar, F. and Ouarda, T.B.M.J.
On some methods of fitting the generalized Pareto distribution 177 (1996) 117
Austin, T.Al, see Starrett, S.K. et al.
Avetissian, V., see Léonardi, V. et al.
Avila, A., Neal, C. and Terradas, J.
Climate change implications for streamflow and streamwater chemistry in a Mediterranean catchment 177 (1996) 99
Bakalowicz, M., see Hsissou, Y. et al.
Banner, J.L., see Oetting, G.C. et al.
Bartley, J.G., see Chambers, L.A. et al.
Bathurst, J.C see Wicks, J.M.
Bathurst, J.C. and Cooley, K.R.
Use of the SHE hydrological modelling system to investigate basin response to snowmelt at Reynolds Creek, Idaho 175 (1996) 181
Bathurst, J.C., see Parkin, G. et al.
Batu, V.
A generalized three-dimensional analytical solute transport model for multiple rectangular first-type sources 174 (1996) 57
Baumer, O.W. see Georgakakos, K.P.
van Dam, J.C., Wösten, J.H.M. and Nemes, A.
Unsaturated soil water movement in hysteretic and water repellent field soils 184 (1996) 153
Bazuhair, A.S. and Wood, W.W.
Chloride mass-balance method for estimating ground water recharge in arid areas: examples from western Saudi Arabia 186 (1996) 153
Bender, M.J. see Simonovic, S.P.
Bendz, D. and Bengtsson, L.
Evaporation from an active, uncovered landfill 182 (1996) 143
Bengtsson, L. see Bendz, D.
Berndtsson, R., Nodomi, K., Yasuda, H., Persson, T., Chen, H. and Jinno, K.
Soil water and temperature patterns in an arid desert dune sand 185 (1996) 221
Beysens, D., see Nikolayev, V.S. et al.
Bhattacharya, S.K., see Datta, P.S. et al.
Bhutta, M.N. see Boonstra, J.
Billett, M.F. and Cresser, M.S.
Evaluation of the use of soil ion exchange properties for predicting streamwater chemistry in upland catchments 186 (1996) 377
Birkhölzer, J., see Rubin, H. et al.
Black, K.P. see Sokolov, S.
Bloomfield, J.
Characterisation of hydrogeologically significant fracture distributions in the Chalk: an example from the Upper Chalk of southern England 184 (1996) 355

Blowes, D.W. see Al, T.A.
Blowes, D.W., see Jayatilaka, C.J. et al.
Bochnaghian, P., see Léonardi, V. et al.
Bocquillon, C. see Moussa, R.
Boekelman, R., see Stolwijk, N.H.M. et al.
Boonstra, J. and Bhutta, M.N.
Groundwater recharge in irrigated agriculture: the theory and practice of inverse modelling 174 (1996) 357
Boudot, J.-P., Maitat, O., Merlet, D. and Rouiller, J.
Occurrence of non-monomeric species of aluminium in undersaturated soil and surface waters: consequences for the determination of mineral saturation indices 177 (1996) 47
Bouten, W., Schaap, M.G., Aerts, J. and Vermetten, A.W.M.
Monitoring and modelling canopy water storage amounts in support of atmospheric deposition studies 181 (1996) 305
Böhlke, J.K. see McMahon, P.B.
Bradley, C.
Transient modelling of water-table variation in a floodplain wetland, Narborough Bog, Leicestershire 185 (1996) 87
Broadhurst, P., see Kuchment, L.S. et al.
Broun, J., see Salama, R.B. et al.
Bruce, B.W. and McMahon, P.B.
Shallow ground-water quality beneath a major urban center: Denver, Colorado, USA 186 (1996) 129
Brutsaert, W. see Crago, R.
Brutsaert, W.F., see Pugh IV, A.L. et al.
Buddemeier, R.W. see Rubin, H.
Butts, M.B. and Jensen, K.H.
Effective parameters for multiphase flow in layered soils 183 (1996) 101
Cadier, E.
Hydrologie des petits bassins du Nordeste Brésilien semi-aride: typologie des bassins et transposition écoulements annuels 182 (1996) 117
Caissie, D., Pollock, T.L. and Cunjak, R.A.
Variation in stream water chemistry and hydrograph separation in a small drainage basin
Calder, I.R., see Hall, R.L. et al. 178 (1996) 137
Calder, I.R.
Dependence of rainfall interception on drop size: 1. Development of the two-layer stochastic model 185 (1996) 363
Calder, I.R., Hall, R.L., Rosier, P.T.W., G. Bastable, H. and Prasanna, K.T.
Dependence of rainfall interception on drop size: 2. Experimental determination of the wetting functions and two-layer stochastic model parameters for five tropical tree species 185 (1996) 379
Cameron, E.M.
Hydrogeochemistry of the Fraser River, British Columbia: seasonal variation in major and minor components 182 (1996) 209
Campana, M.E. see Amin, I.E.
Capilla, J., see Andreu, J. et al.
Cardona, A., see Carrillo-Rivera, J.J. et al.
Carrera, J., see Sánchez-Vila, X. et al.
Carrillo-Rivera, J.J., Cardona, A. and Moss, D.
Importance of the vertical component of groundwater flow: a hydrogeochemical approach in the valley of San Luis Potosi, Mexico 185 (1996) 23
Cassidy, D., see Sander, G.C. et al.

Castelli, F., Rodriguez-Iturbe, I. and Entekhabi, D.
An analytical framework for the modelling of spatial interaction between the soil moisture and the atmosphere 184 (1996) 19
Castelli, F., see Entekhabi, D. et al.
Catt, J.A., see Ragab, R. et al.
Cazorzi, F. and Dalla Fontana, G.
Snowmelt modelling by combining air temperature and a distributed radiation index 181 (1996) 169
Cermák, J., see Jiménez, M.S. et al.
Chambers, L.A., Bartley, J.G. and Herczeg, A.L.
Hydrogeochemical evidence for surface water recharge to a shallow regional aquifer in northern Victoria, Australia 181 (1996) 63
Chambers, R.M., see Smith, S.V. et al.
Chauve, P., see Hsissou, Y. et al.
Chauve, P., see Hsissou, Y. et al.
Chen, C.-S., see Chen, J.-S. et al.
Chen, H., see Berndtsson, R. et al.
Chen, J.-S., Liu, C.-W., Chen, C.-S. and Yeh, H.-D.
A Laplace transform solution for tracer tests in a radially convergent flow field with upstream dispersion 183 (1996) 263
Chen, S. see Wang, G.-T.
Cheng, S.
Isotopic tracing of the source water for Cedar Bog in west–central Ohio, USA 186 (1996) 31
Cherry, J.A., see Robertson, W.D. et al.
Chiew, F.H.S., Pitman, A.J. and McMahon, T.A.
Conceptual catchment scale rainfall–runoff models and AGCM land-surface parameterisation schemes 179 (1996) 137
Chikita, K.A.
Suspended sediment discharge from snowmelt: Ikushunbetsu River, Hokkaido, Japan 186 (1996) 297
Christians, N.E., see Starrett, S.K. et al.
Christodoulou, Th., see Leontiadis, I.L. et al.
Chrysikopoulos, C.V. and Sim, Y.
One-dimensional virus transport in homogeneous porous media with time-dependent distribution coefficient 185 (1996) 199
Churchill, R.R., see Fischer, D.T. et al.
Clark, S.C., see Haase, P. et al.
Clarke, R.T.
Residual maximum likelihood (REML) methods for analysing hydrological data series 182 (1996) 277
Clement, T.P., Wise, W.R., Molz, F.J. and Wen, M.
A comparison of modeling approaches for steady-state unconfined flow 181 (1996) 189
Collier, C.G. and Hardaker, P.J.
Estimating probable maximum precipitation using a storm model approach 183 (1996) 277
Collins, R. and Jenkins, A.
The impact of agricultural land use on stream chemistry in the Middle Hills of the Himalayas, Nepal 185 (1996) 71
Cooley, K.R. see Bathurst, J.C.
Cooper, D.M., see Kuchment, L.S. et al.
Cooper, D.M., see Ragab, R. et al.
Cooper, T.A. see Mackay, R.
Cooper, T.A., see Mackay, R. et al.
Cordery, I. see Putuhena, W.M.

Coshell, L., see Rosen, M.R. et al.
Cowpertwait, P.S.P., O'Connell, P.E., Metcalfe, A.V. and Mawdsley, J.A.
Stochastic point process modelling of rainfall. I. Single-site fitting and validation 175 (1996) 17
Cowpertwait, P.S.P., O'Connell, P.E., Metcalfe, A.V. and Mawdsley, J.A.
Stochastic point process modelling of rainfall. II. Regionalisation and disaggregation 175 (1996) 47
Crago, R. and Brutsaert, W.
Daytime evaporation and the self-preservation of the evaporative fraction and the Bowen ratio 178 (1996) 241
Crago, R.D.
Conservation and variability of the evaporative fraction during the daytime 180 (1996) 173
Cresser, M.S. see Billett, M.F.
Criss, R.E. and Davisson, M.L.
Isotopic imaging of surface water/groundwater interactions, Sacramento Valley, California 178 (1996) 205
Criss, R.E., see Rose, T.P. et al.
Cunjak, R.A., see Caissie, D. et al.
Cunnane, C. see Khaliq, M.N.
Dagan, G.
Complex Confining Layers, a Stochastic Analysis of Hydraulic Properties at Various Scales, by M.F.P. Bierkens 176 (1996) 293
Dalla Fontana, G. see Cazorzi, F.
Danalatos, N.G., see van Wesemael, B. et al.
Dane, J.H. see Zijlstra, J.
Datta, P.S., Bhattacharya, S.K. and Tyagi, S.K.
^{18}O studies on recharge of phreatic aquifers and groundwater flow-paths of mixing in the Delhi area 176 (1996) 25
Davies, T.D., see Evans, C.D. et al.
Davisson, M.L. see Criss, R.E.
Davisson, M.L., see Rose, T.P. et al.
Dawes, W.R., see Zhang, L. et al.
de Rooij, G.H., Warrick, A.W. and Gielen, J.L.W.
Steady flow from a disc source above a shallow water table 176 (1996) 37
De Smedt, F., see Vuksanovic, V. et al.
de Troch, F.P., see Gyasi-Agyei, Y. et al.
DeGagne, M.P.J., Douglas, G.G., Hudson, H.R. and Simonovic, S.P.
A decision support system for the analysis and use of stage—discharge rating curves 184 (1996) 225
Dekker, L.W. see Ritsema, C.J.
Demidov, V.N., see Kuchment, L.S. et al.
Dennis, P.F., see Hiscock, K.M. et al.
Denoth, A. see Eller, H.
Devito, K.J., Hill, A.R. and Roulet, N.
Groundwater–surface water interactions in headwater forested wetlands of the Canadian Shield 181 (1996) 127
Dhir, V.K. see Moseley, W.A.
Di Giammarco, P., Todini, E. and Lamberti, P.
A conservative finite elements approach to overland flow: the control volume finite element formulation 175 (1996) 267
Diskin, M.H. and Nazimov, N.
Ponding time and infiltration capacity variation during steady rainfall 178 (1996) 369
Dolman, A.J., see Arain, A.M. et al.
Dou, W. and Jin, Y.C.
Analytical solution of the solute transport equation for the binary homovalent ion exchange in groundwater 180 (1996) 139

Douglas, G.G., see DeGagne, M.P.J. et al.
Drimmie, R., see Stimson, J. et al.
Dubois, P.C., see Ulaby, F.T. et al.
Dunn, S.M. and Mackay, R.
Modelling the hydrological impacts of open ditch drainage 179 (1996) 37
Dunn, S.M., Mackay, R., Adams, R. and Oglethorpe, D.R.
The hydrological component of the NELUP decision-support system: an appraisal 177 (1996) 213
Dunn, S.M., see Lunn, R.J. et al.
Durand, P. and Torres, J.L.J.
Solute transfer in agricultural catchments: the interest and limits of mixing models 181 (1996) 1
Duru, J. Obiukwu and Hjelmfelt, Jr., A.T.
Investigating prediction capability of HEC-1 and KINEROS kinematic wave runoff models — Reply 179 (1996) 395
Dümenil, L., see Polcher, J. et al.
Eberschweiler, C., see Aquilina, L. et al.
Elbaz-Poulichet, F. see Seyler, P.
Elberling, B.
Gas phase diffusion coefficient in cemented porous media 178 (1996) 93
Eller, H. and Denoth, A.
A capacitive soil moisture sensor 185 (1996) 137
Elsenbeer, H. and Lack, A.
Hydrometric and hydrochemical evidence for fast flowpaths at La Cuenca, Western Amazonia 180 (1996) 237
Entekhabi, D. see Njoku, E.G.
Entekhabi, D. see Risbey, J.S.
Entekhabi, D., Rodriguez-Iturbe, I. and Castelli, F.
Mutual interaction of soil moisture state and atmospheric processes 184 (1996) 3
Entekhabi, D., see Castelli, F. et al.
Evans, C.D., Davies, T.D., Wigington Jr., P.J., Tranter, M. and Kretser, W.A.
Use of factor analysis to investigate processes controlling the chemical composition of four streams in the Adirondack Mountains, New York 185 (1996) 297
Ewen, J.
'SAMP' model for water and solute movement in unsaturated porous media involving thermodynamic subsystems and moving packets: 1. Theory 182 (1996) 175
Ewen, J.
'SAMP' model for water and solute movement in unsaturated porous media involving thermodynamic subsystems and moving packets: 2. Design and application 182 (1996) 195
Ewen, J. and Parkin, G.
Validation of catchment models for predicting land-use and climate change impacts. 1. Method 175 (1996) 583
Ewen, J., see Parkin, G. et al.
Fedra, K. and Jamieson, D.G.
The 'WaterWare' decision-support system for river-basin planning. 2. Planning capability 177 (1996) 177
Fedra, K. see Jamieson, D.G.
Fennessey, N.M. and Vogel, R.M.
Regional models of potential evaporation and reference evapotranspiration for the northeast USA 184 (1996) 337
Fernández, E.M., see Haase, P. et al.
Ferraresi, M. and Marinelli, A.
An extended formulation of the integrated finite difference method for groundwater flow and transport 175 (1996) 453
Ferraresi, M. see Todini, E.

Ferraresi, M., Todini, E. and Vignoli, R.
A solution to the inverse problem in groundwater hydrology based on Kalman filtering 175 (1996) 567
Fillion, E. and Noyer, M.-L.
Flow modelling in a dual porosity domain with automatic mesh generation and parameter calibration: application to the Äspö site 180 (1996) 1
Fischer, D.T., Smith, S.V. and Churchill, R.R.
Simulation of a century of runoff across the Tomales watershed, Marin County, California 186 (1996) 255
Fitts, C.R. and Strack, O.D.L.
Analytic solutions for unconfined groundwater flow over a stepped base 177 (1996) 65
Fletcher, S.G. and Ponnambalam, K.
Estimation of reservoir yield and storage distribution using moments analysis 182 (1996) 259
Foufoula-Georgiou, E., see Franchini, M. et al.
Fox, V.J. see Taylor, C.B.
Franchini, M. and O'Connell, P.E.
An analysis of the dynamic component of the geomorphologic instantaneous unit hydrograph 175 (1996) 407
Franchini, M., Helmlinger, K.R., Foufoula-Georgiou, E. and Todini, E.
Stochastic storm transposition coupled with rainfall– runoff modeling for estimation of exceedance probabilities of design floods 175 (1996) 511
Franchini, M., Wendling, J., Obled, C. and Todini, E.
Physical interpretation and sensitivity analysis of the TOPMODEL 175 (1996) 293
Franzetti, S. and Guadagnini, A.
Probabilistic estimation of well catchments in heterogeneous aquifers 174 (1996) 149
Frape, S., see Stimson, J. et al.
French, M.N., see Andrieu, H. et al.
G. Bastable, H., see Calder, I.R. et al.
Gaiz, A., see Hsissou, Y. et al.
Galeati, G., see Anselmo, V. et al.
Gardner, L.R., see Turner, B.F. et al.
Garvey, J., see Loaiciga, H.A. et al.
Gárfias, J., Verrette, J.-L., Antigüedad, I. and André, C.
Estimation des paramètres d'un modèle hydrologique mixte appliqué à la région du haut plateau Bolivien 176 (1996) 249
Gárfias, J., Verrette, J.-L., Antigüedad, I. and André, C.
Choix d'un modèle pluie–ruissellement pour des conditions hydrologiques complexes 176 (1996) 227
Gárfias, J., Verrette, J.-L., Antigüedad, I. and Llamas, J.
Analyse d'incertitude d'un modèle mixte pluie–ruissellement dans la région andine Bolivienne 176 (1996) 269
Gelfan, A.N. see Kuchment, L.S.
Geology of France Team, Deep, see Aquilina, L. et al.
Georgakakos, K.P. and Baumer, O.W.
Measurement and utilization of on-site soil moisture data 184 (1996) 131
Gielen, J.L.W., see de Rooij, G.H. et al.
Gillham, R.W. see Jayatilaka, C.J.
Gillham, R.W., see Jayatilaka, C.J. et al.
Gioda, A., see Nikolayev, V.S. et al.
Girardi, J.P., see Sánchez-Vila, X. et al.
Giri, V.Y., see Sukhija, B.S. et al.
Glaser, P.H., see Reeve, A.S. et al.
Goodall, G.R., see Youngs, E.G. et al.
Goodrich, D.C. see Smith, R.E.

Gorelick, S. see Wilson, A.M.
Govindaraju, R.S., Kavvas, M.L., Jones, S.E. and Rolston, D.E.
Use of Green-Ampt model for analyzing one-dimensional convective transport in unsaturated soils 178 (1996) 337
Gómez-Hernández, J.J. see Wen, X.-H.
Graber, B.E. see Magilligan, F.J.
Gregory, J.D., see Amatya, D.M. et al.
Grillot, J.C., see Léonardi, V. et al.
Grimmond, C.S.B., see Souch, C. et al.
Groupe de recherche en hydrologie statistique (GREHYS)
Inter-comparison of regional flood frequency procedures for Canadian rivers 186 (1996) 85
Groupe de recherche en hydrologie statistique (GREHYS)
Presentation and review of some methods for regional flood frequency analysis 186 (1996) 63
Guadagnini, A. see Franzetti, S.
Gunawardena, E.R.N., see Hall, R.L. et al.
Guo, S.L., Kachroo, R.K. and Mngodo, R.J.
Nonparametric kernel estimation of low flow quantiles 185 (1996) 335
Guo, S.L., see Mkhandi, S.H. et al.
Gupta, H.V., see Yapo, P.O. et al.
Gutjahr, A.L., see Harter, T. et al.
Gyasi-Agyei, Y., de Troch, F.P. and Troch, P.A.
A dynamic hillslope response model in a geomorphology based rainfall–runoff model 178 (1996) 1
Haase, P., Pugnaire, F.I., Fernández, E.M., Puigdefábregas, J., Clark, S.C. and Incoll, L.D.
An investigation of rooting depth of the semiarid shrub *Retama sphaerocarpa* (L.) Boiss. by labelling of ground water with a chemical tracer 177 (1996) 23
Hager, W.H. see Rutschmann, P.
Hairsine, P.B., see Sander, G.C. et al.
Hall, M.J. see Sahin, V.
Hall, R.L., Calder, I.R., Gunawardena, E.R.N. and Rosier, P.T.W.
Dependence of rainfall interception on drop size: 3. Implementation and comparative performance of the stochastic model using data from a tropical site in Sri Lanka 185 (1996) 389
Hall, R.L., see Calder, I.R. et al.
Halldin, S., see Xu, C.-Y. et al.
Hardaker, P.J. see Collier, C.G.
Harding, R.J. see Roberts, G.
Harremoës, P. see Arnbjerg-Nielsen, K.
Harris, G.L., see Ragab, R. et al.
Harter, T., Gutjahr, A.L. and Yeh, T.-C.J.
Linearized cosimulation of hydraulic conductivity, pressure head, and flux in saturated and unsaturated, heterogeneous porous media 183 (1996) 169
Hashino, M., see Yao, H. et al.
Hasnain, S.I.
Factors controlling suspended sediment transport in Himalayan glacier meltwaters 181 (1996) 49
Hatton, T.J., see Zhang, L. et al.
Helmlinger, K.R., see Franchini, M. et al.
Herczeg, A.L., see Chambers, L.A. et al.
Hill, A.R., see Devito, K.J. et al.
Hiscock, K.M., Dennis, P.F., Saynor, P.R. and Thomas, M.O.
Hydrochemical and stable isotope evidence for the extent and nature of the effective Chalk aquifer of north Norfolk, UK 180 (1996) 79
Hjelmfelt, A.T., Jnr, see Duru, Obiukwu J.
Hodge, V.F., see Johannesson, K.H. et al.

Hogarth, W.L., see Sander, G.C. et al.
Hollibaugh, J.T., see Smith, S.V. et al.
Hosking, J.R.M., see Shah, S.M.S. et al.
Hosking, J.R.M., see Shah, S.M.S. et al.
Howard, K.W.F. see Taylor, R.G.
Hsissou, Y., Chauve, P. and Mania, J.
L'aquifère des calcaires du Turonien (Bassin du Tadla, Maroc). Alimentations locales et lointaines à partir de l'Atlas 183 (1996) 433
Hsissou, Y., Chauve, P., Mania, J., Mangin, A., Bakalowicz, M. and Gaiz, A.
Caractérisation des eaux de l'aquifère turonien du bassin du Tadla (Maroc) par le rapport des concentrations molaires Sr^{2+}/Ca^{2+} 183 (1996) 445
Hu, Z., see Arendt, T. et al.
Huang, K., Mohanty, B.P. and van Genuchten, M.Th.
A new convergence criterion for the modified Picard iteration method to solve the variably saturated flow equation 178 (1996) 69
Hudson, H.R., see DeGagne, M.P.J. et al.
Hughes, D.A. see Sami, K.
Hussain, S., see Sukhija, B.S. et al.
Hussein, M.H.
An analysis of rainfall, runoff and erosion in the low rainfall zone of northern Iraq 181 (1996) 105
Incoll, L.D., see Haase, P. et al.
Indelman, P. and Rubin, Y.
Average flow in heterogeneous media of trending hydraulic conductivity 183 (1996) 57
Islam, S., see Arendt, T. et al.
Jackson, T.J. and Le Vine, D.E.
Mapping surface soil moisture using an aircraft-based passive microwave instrument: algorithm and example 184 (1996) 85
Jacobson Jr., G.L., see Pugh IV, A.L. et al.
Jain, C.K.
Application of chemical mass balance to upstream/downstream river monitoring data 182 (1996) 105
Jamieson, D.G. and Fedra, K.
The 'WaterWare' decision-support system for river-basin planning. 1. Conceptual design 177 (1996) 163
Jamieson, D.G. and Fedra, K.
The 'WaterWare' decision-support system for river-basin planning. 3. Example applications 177 (1996) 199
Jamieson, D.G. see Fedra, K.
Jansson, M.B.
Estimating a sediment rating curves of the Reventazón river at Palomo using logged mean loads within discharge classes 183 (1996) 227
Jarvie, H.P., see Neal, C. et al.
Jayatilaka, C.J. and Gillham, R.W.
A deterministic–empirical model of the effect of the capillary fringe on near-stream area runoff 1. Description of the model 184 (1996) 299
Jayatilaka, C.J., Gillham, R.W., Blowes, D.W. and Nathan, R.J.
A deterministic–empirical model of the effect of the capillary fringe on near-stream area runoff 2. Testing and application 184 (1996) 317
Jeffery, H.A., see Neal, C. et al.
Jenkins, A. see Collins, R.
Jensen, K.H. see Butts, M.B.
Jeong, G.D. and Rao, A.R.
Chaos characteristics of tree ring series 182 (1996) 239

Jiménez, M.S., Cermák, J., Kucera, J. and Morales, D.
Laurel forests in Tenerife, Canary Islands: the annual course of sap flow in *Laurus* trees and stand 183 (1996) 307
Jimoh, O.D. and Webster, P.
The optimum order of a Markov chain model for daily rainfall in Nigeria 185 (1996) 45
Jin, Y.C. see Dou, W.
Jinno, K., see Berndtsson, R. et al.
Johannesson, K.H., Stetzenbach, K.J., Kreamer, D.K. and Hodge, V.F.
Multivariate statistical analysis of arsenic and selenium concentrations in groundwaters from south–central Nevada and Death Valley, California 178 (1996) 181
Johnes, P.J.
Evaluation and management of the impact of land use change on the nitrogen and phosphorus load delivered to surface waters: the export coefficient modelling approach 183 (1996) 323
Jones, S.D. see Truesdale, V.W.
Jones, S.E., see Govindaraju, R.S. et al.
Journel, A.G.
Conditional simulation of geologically averaged block permeabilities 183 (1996) 23
Kachroo, R.K., see Guo, S.L. et al.
Kachroo, R.K., see Mkhandi, S.H. et al.
Kahl, J.S., see Pugh IV, A.L. et al.
Karakas, A. see Kavvas, M.L.
Katiushin, E., see Nikolayev, V.S. et al.
Kavvas, M.L. and Karakas, A.
On the stochastic theory of solute transport by unsteady and steady groundwater flow in heterogeneous aquifers 179 (1996) 321
Kavvas, M.L., see Govindaraju, R.S. et al.
Khaliq, M.N. and Cunnane, C.
Modelling point rainfall occurrences with the Modified Bartlett–Lewis Rectangular Pulses Model 180 (1996) 109
Khan, S. and Rushton, K.R.
Reappraisal of flow to tile drains I. Steady state response 183 (1996) 351
Khan, S. and Rushton, K.R.
Reappraisal of flow to tile drains II. Time-variant response 183 (1996) 367
Khan, S. and Rushton, K.R.
Reappraisal of flow to tile drains III. Drains with limited flow capacity 183 (1996) 383
Kinzelbach, W.K.H. see Schäfer, W.
Klaassen, W., Lankreijer, H.J.M. and Veen, A.W.L.
Rainfall interception near a forest edge 185 (1996) 349
Korvin, G.
Fractals in Reservoir Engineering, by H.H. Hardy and R.A. Beier 176 (1996) 290
Kosmas, C.S., see van Wesemael, B. et al.
Koussis, A.D., see Zou, S. et al.
Krajewski, W.F., see Andrieu, H. et al.
Kreamer, D.K., see Johannesson, K.H. et al.
Kretser, W.A., see Evans, C.D. et al.
Kucera, J., see Jiménez, M.S. et al.
Kuchment, L.S. and Gelfan, A.N.
The determination of the snowmelt rate and the meltwater outflow from a snowpack for modelling river runoff generation 179 (1996) 23
Kuchment, L.S., Demidov, V.N., Naden, P.S., Cooper, D.M. and Broadhurst, P.
Rainfall–runoff modelling of the Ouse basin, North Yorkshire: an application of a physically based distributed model 181 (1996) 323

Kueper, B.H. see Turcke, M.A.
Kutílek, M., see Nielsen, D.R. et al.
Lack, A. see Elsenbeer, H.
Lamberti, P. and Pilati, S.
Flood propagation models for real-time forecasting 175 (1996) 239
Lamberti, P., see Di Giammarco, P. et al.
Lane, L.J.
Design Hydrology and Sedimentology for Small Catchments, by C.T. Haan, B.J. Barfield and J.C. Hayes 176 (1996) 296
Lankreijer, H.J.M., see Klaassen, W. et al.
Lapen, D.R. and Martz, L.W.
An investigation of the spatial association between snow depth and topography in a Prairie agricultural landscape using digital terrain analysis 184 (1996) 277
Lavabre, J., see Parkin, G. et al.
Laval, K., see Polcher, J. et al.
Law, F.M.
Dictionary of Hydrology and Water Resources, by G. Stanger 176 (1996) 298
Le Vine, D.E. see Jackson, T.J.
Lean, J., see Polcher, J. et al.
Leontiadis, I.L., Vergis, S. and Christodoulou, Th.
Isotope hydrology study of areas in Eastern Macedonia and Thrace, Northern Greece 182 (1996) 1
Lepistö, A., see Arheimer, B. et al.
Léonardi, V., Arthaud, F., Grillot, J.C., Avetissian, V. and Bochnaghian, P.
Modélisation d'un aquifère basaltique fracturé tenant compte de données géologiques, climatiques et hydrauliques: cas des basaltes perchés de Garni (Arménie) 179 (1996) 87
Li, C.W.
Modelling variably saturated flow and solute transport into sandy soil 186 (1996) 317
Lin, G.-F. and Wang, Y.-M.
General stochastic instantaneous unit hydrograph 182 (1996) 227
Lisle, I.G., see Sander, G.C. et al.
Little, R., Muller, E. and Mackay, R.
Modelling of contaminant migration in a chalk aquifer 175 (1996) 473
Liu, C.-W., see Chen, J.-S. et al.
Llamas, J., see Gárfias, J. et al.
Lloyd, E.H.
On the integral equation of the continuous-state stochastic reservoir with seasonally varying autocorrelated inflows 180 (1996) 351
Loaiciga, H.A., Valdes, J.B., Vogel, R., Garvey, J. and Schwarz, H.
Global warming and the hydrologic cycle 174 (1996) 83
Logan, J.D.
Solute transport in porous media with scale-dependent dispersion and periodic boundary conditions 184 (1996) 261
Lohani, A.K., see Ponce, V.M. et al.
Lord, E.I., see Scholefield, D. et al.
Loukas, A. and Quick, M.C.
Spatial and temporal distribution of storm precipitation in southwestern British Columbia 174 (1996) 37
Lunn, M., Lunn, R.J. and Mackay, R.
Determining analytic solutions of multiple species contaminant transport, with sorption and decay 180 (1996) 195
Lunn, R.J., Adams, R., Mackay, R. and Dunn, S.M.
Development and application of a nitrogen modelling system for large catchments 174 (1996) 285
Lunn, R.J., see Lunn, M. et al.

Mackay, R. and Cooper, T.A.
Contaminant transport in heterogeneous porous media: a case study. 1. Site characterisation and deterministic modelling 175 (1996) 383
Mackay, R. see Dunn, S.M.
Mackay, R., Cooper, T.A., Metcalfe, A.V. and O'Connell, P.E.
Contaminant transport in heterogeneous porous media: a case study. 2. Stochastic modelling 175 (1996) 429
Mackay, R., see Dunn, S.M. et al.
Mackay, R., see Little, R. et al.
Mackay, R., see Lunn, M. et al.
Mackay, R., see Lunn, R.J. et al.
Macpherson, G.L.
Hydrogeology of thin limestones: the Konza Prairie Long-Term Ecological Research Site, Northeastern Kansas 186 (1996) 191
Magilligan, F.J. and Graber, B.E.
Hydroclimatological and geomorphic controls on the timing and spatial variability of floods in New England, USA 178 (1996) 159
Maheepala, S. and Perera, B.J.C.
Monthly hydrologic data generation by disaggregation 178 (1996) 277
Mahesha, A. and Nagaraja, S.H.
Effect of natural recharge on sea water intrusion in coastal aquifers 174 (1996) 211
Maitat, O., see Boudot, J.-P. et al.
Malmer, A.
Hydrological effects and nutrient losses of forest plantation establishment on tropical rainforest land in Sabah, Malaysia 174 (1996) 129
Mangin, A., see Hsissou, Y. et al.
Mania, J., see Hsissou, Y. et al.
Mania, J., see Hsissou, Y. et al.
Marinelli, A. see Ferraresi, M.
Martinelli, L.A., Victoria, R.L., Sternberg, L.S.L., Ribeiro, A. and Moreira, M.Z.
Using stable isotopes to determine sources of evaporated water to the atmosphere in the Amazon basin 183 (1996) 191
Martz, L.W. see Lapen, D.R.
Martínez-Cob, A.
Multivariate geostatistical analysis of evapotranspiration and precipitation in mountainous terrain 174 (1996) 19
Mason, C.F., see Pugh IV, A.L. et al.
Mawdsley, J.A., see Cowpertwait, P.S.P. et al.
Mawdsley, J.A., see Cowpertwait, P.S.P. et al.
McCulloch, J.S.G.
Streamflow Measurement, by R.W. Herschy 176 (1996) 285
The Nile: Sharing a Scarce Resource, by P.P. Howell and J.A. Allan (Editors) 176 (1996) 294
McKerchar, A.I., Pearson, C.P. and Moss, M.E.
Prediction of summer inflows to lakes in the Southern Alps, New Zealand, using the spring Southern Oscillation Index 184 (1996) 175
McMahon, P.B. and Böhlke, J.K.
Denitrification and mixing in a stream–aquifer system: effects on nitrate loading to surface water 186 (1996) 105
McMahon, P.B. see Bruce, B.W.
McMahon, T.A., see Chiew, F.H.S. et al.
McNaughton, K.G.
Evaporation, Evapotranspiration and Climate Data. Development in Atmospheric Sciences, 22, by R. Burman and L.O. Pochop 176 (1996) 287

Melack, J.M., see Aizen, V.B. et al.
Mellor, D.
The Modified Turning Bands (MTB) model for space–time rainfall. I. Model definition and properties 175 (1996) 113
Mellor, D. and Metcalfe, A.V.
The Modified Turning Bands (MTB) model for space–time rainfall. III. Estimation of the storm/rainband profile and a discussion of future model prospects 175 (1996) 161
Mellor, D. and O'Connell, P.E.
The Modified Turning Bands (MTB) model for space–time rainfall. II. Estimation of raincell parameters 175 (1996) 129
Merlet, D., see Boudot, J.-P. et al.
Metcalfe, A.V. see Mellor, D.
Metcalfe, A.V., see Cowpertwait, P.S.P. et al.
Metcalfe, A.V., see Cowpertwait, P.S.P. et al.
Metcalfe, A.V., see Mackay, R. et al.
Michaud, J., see Arain, A.M. et al.
Milimouk, I., see Nikolayev, V.S. et al.
Mkhandi, S.H., Kachroo, R.K. and Guo, S.L.
Uncertainty analysis of flood quantile estimates with reference to Tanzania 185 (1996) 317
Mngodo, R.J., see Guo, S.L. et al.
Mohanty, B.P., see Huang, K. et al.
Molz, F.J., see Clement, T.P. et al.
Morales, D., see Jiménez, M.S. et al.
Moreira, M.Z., see Martinelli, L.A. et al.
Morel, J.-P., see Nikolayev, V.S. et al.
Moseley, W.A. and Dhir, V.K.
Capillary pressure–saturation relations in porous media including the effect of wettability 178 (1996) 33
Moss, D., see Carrillo-Rivera, J.J. et al.
Moss, M.E., see McKerchar, A.I. et al.
Moussa, R. and Bocquillon, C.
Criteria for the choice of flood-routing methods in natural channels 186 (1996) 1
Muller, E., see Little, R. et al.
Nachtergaele, J., see van Wesemael, B. et al.
Naden, P.S., see Kuchment, L.S. et al.
Nagabhushanam, P., see Sukhija, B.S. et al.
Nagabhushanam, P., see Sukhija, B.S. et al.
Nagaraja, S.H. see Mahesha, A.
Nandagiri, L. and Prasad, R.
Field evaluation of unsaturated hydraulic conductivity models and parameter estimation from retention data 179 (1996) 197
Nathan, R.J., see Jayatilaka, C.J. et al.
Nazimov, N. see Diskin, M.H.
Neal, C., see Avila, A. et al.
Neal, C., Smith, C.J., Jeffery, H.A., Jarvie, H.P. and Robson, A.J.
Trace element concentrations in the major rivers entering the Humber estuary, NE England 182 (1996) 37
Nemes, A., see van Dam, J.C. et al.
Newson, M.
River and Stream Erosystems, by C.E. Cushing, K.W. Cummings and G.W. Minshall (Editors) 179 (1996) 399

Ngoc Phien, H., see Van Truong, T. et al.
Nicholas, A.P. and Walling, D.E.
The significance of particle aggregation in the overbank deposition of suspended sediment on river floodplains 186 (1996) 277
Nielsen, D.R., Kutílek, M. and Parlange, M.B.
Surface soil water content regimes: opportunities in soil science 184 (1996) 35
Nikolayev, V.S., Beysens, D., Gioda, A., Milimouk, I., Katiushin, E. and Morel, J.-P.
Water recovery from dew 182 (1996) 19
Njoku, E.G. and Entekhabi, D.
Passive microwave remote sensing of soil moisture 184 (1996) 101
Nodomi, K., see Berndtsson, R. et al.
Norton, S.A., see Pugh IV, A.L. et al.
Noyer, M.-L. see Fillion, E.
O'Connor, K.M. see Shamseldin, A.Y.
O'Connell, P.E. and Todini, E.
Modelling of rainfall, flow and mass transport in hydrological systems: an overview 175 (1996) 3
O'Connell, P.E. see Franchini, M.
O'Connell, P.E. see Mellor, D.
O'Connell, P.E., see Cowpertwait, P.S.P. et al.
O'Connell, P.E., see Cowpertwait, P.S.P. et al.
O'Connell, P.E., see Mackay, R. et al.
O'Connell, P.E., see Parkin, G. et al.
O'Connell, P.E., see Shah, S.M.S. et al.
O'Connell, P.E., see Shah, S.M.S. et al.
O'Connor, K.M. see Tan, B.Q.
Obled, C., see Franchini, M. et al.
O'Donnell, G., see Parkin, G. et al.
Oetting, G.C., Banner, J.L. and Sharp, Jr., J.M.
Regional controls on the geochemical evolution of saline groundwaters in the Edwards aquifer, central Texas 181 (1996) 251
Oglethorpe, D.R., see Dunn, S.M. et al.
Onof, C. and Wheater, H.S.
Analysis of the spatial coverage of British rainfall fields 176 (1996) 97
Onof, C. and Wheater, H.S.
Modelling of the time-series of spatial coverages of British rainfall fields 176 (1996) 115
Ouarda, T.B.M.J. see Ashkar, F.
Palmieri, S., see Anselmo, V. et al.
Parkin, G. see Ewen, J.
Parkin, G., O'Donnell, G., Ewen, J., Bathurst, J.C., O'Connell, P.E. and Lavabre, J.
Validation of catchment models for predicting land- use and climate change impacts. 2. Case study for a Mediterranean catchment 175 (1996)
Parlange, J.-Y., see Sander, G.C. et al.
Parlange, M.B., see Nielsen, D.R. et al.
Patil, D.J., see Sukhija, B.S. et al.
Pearson, C.P., see McKerchar, A.I. et al.
Pekár, J. see Pekárová, P.
Pekárová, P. and Pekár, J.
The impact of land use on stream water quality in Slovakia 180 (1996) 333
Perera, B.J.C. see Maheepala, S.
Perrin, J., see Aquilina, L. et al.
Persson, T., see Berndtsson, R. et al.
Philip, J.R. and van Duijn, C.J.
Slumping of brine mounds: bounds on behaviour 179 (1996) 159

Pilati, S. see Lamberti, P.
Pitman, A.J., see Chiew, F.H.S. et al.
Poesen, J., see van Wesemael, B. et al.
Pohll, G.M., Warwick, J.J. and Tyler, S.W.
Coupled surface–subsurface hydrologic model of a nuclear subsidence crater at the Nevada test site 186 (1996) 43
Polcher, J., Laval, K., Dümenil, L., Lean, J. and Rowntree, P.R.
Comparing three land surface schemes used in general circulation models 180 (1996) 373
Pollock, T.L., see Caissie, D. et al.
Ponce, V.M., Lohani, A.K. and Scheyhing, C.
Analytical verification of Muskingum–Cunge routing 174 (1996) 235
Ponnambalam, K. see Fletcher, S.G.
Prasad, R. see Nandagiri, L.
Prasanna, K.T., see Calder, I.R. et al.
Pražák, J. M. Šír, M. Tesař,
Parameters determining plant transpiration under conditions of sufficient soil moisture 183 (1996) 425
Ptak, T. and Schmid, G.
Dual-tracer transport experiments in a physically and chemically heterogeneous porous aquifer: effective transport parameters and spatial variability 183 (1996) 117
Pugh IV, A.L., Norton, S.A., Schauffler, M., Jacobson Jr., G.L., Kahl, J.S., Brutsaert, W.F. and Mason, C.F.
Interactions between peat and salt-contaminated runoff in Alton Bog, Maine, USA 182 (1996) 83
Pugnaghi, S. see Vincenzi, S.
Pugnaire, F.I., see Haase, P. et al.
Puigdefábregas, J., see Haase, P. et al.
Pundarikanthan, N.V., see Ravichandran, S. et al.
Putuhena, W.M. and Cordery, I.
Estimation of interception capacity of the forest floor 180 (1996) 283
Quick, M.C. see Loukas, A.
Quintard, M. see Ahmadi, A.
Ragab, R., Cooper, D.M., Harris, G.L. and Catt, J.A.
Simulating nitrate leaching under winter wheat grown on a structured clay soil considering bypass flow 182 (1996) 157
Ramanibai, R., see Ravichandran, S. et al.
Rao, A.R. see Jeong, G.D.
Ravichandran, S., Ramanibai, R. and Pundarikanthan, N.V.
Ecoregions for describing water quality patterns in Tamiraparani basin, South India 178 (1996) 257
Reddy, D.V., see Sukhija, B.S. et al.
Reddy, D.V., see Sukhija, B.S. et al.
Reeve, A.S., Siegel, D.I. and Glaser, P.H.
Geochemical controls on peatland pore water from the Hudson Bay Lowland: a multivariate statistical approach 181 (1996) 285
Reitsma, R.F.
Structure and support of water-resources management and decision-making 177 (1996) 253
Reynard, N.S. see Arnell, N.W.
Ribeiro, A., see Martinelli, L.A. et al.
Risbey, J.S. and Entekhabi, D.
Observed Sacramento Basin streamflow response to precipitation and temperature changes and its relevance to climate impact studies 184 (1996) 209
Ritsema, C.J. and Dekker, L.W.
Influence of sampling strategy on detecting preferential flow paths in water-repellent sand 177 (1996) 33

Roberts, G. and Harding, R.J.
The use of simple process-based models in the estimate of water balances for mixed land use catchments in East Africa 180 (1996) 251
Robertson, W.D., Russell, B.M. and Cherry, J.A.
Attenuation of nitrate in aquitard sediments of southern Ontario 180 (1996) 267
Robson, A.J., see Neal, C. et al.
Rodda, H.J.E., see Scholefield, D. et al.
Rodriguez-Iturbe, I., see Castelli, F. et al.
Rodriguez-Iturbe, I., see Entekhabi, D. et al.
Rolston, D.E., see Govindaraju, R.S. et al.
Rose, C.W., see Sander, G.C. et al.
Rose, S.
Temporal environmental isotopic variation within the Falling Creek (Georgia) watershed: implications for contributions to streamflow 174 (1996) 243
Rose, T.P., Davisson, M.L. and Criss, R.E.
Isotope hydrology of voluminous cold springs in fractured rock from an active volcanic region, northeastern California 179 (1996) 207
Rosen, M.R., Coshell, L., Turner, J.V. and Woodbury, R.J.
Hydrochemistry and nutrient cycling in Yalgorup National Park, Western Australia 185 (1996) 241
Rosier, P.T.W., see Calder, I.R. et al.
Rosier, P.T.W., see Hall, R.L. et al.
Rossi, U., see Anselmo, V. et al.
Rouiller, J., see Boudot, J.-P. et al.
Roulet, N., see Devito, K.J. et al.
Rouve, G., see Rubin, H. et al.
Rowntree, P.R., see Polcher, J. et al.
Rubin, H. and Buddemeier, R.W.
Transverse dispersion of contaminants in fractured permeable formations 176 (1996) 133
Rubin, H., Soliman, A.M., Birkhölzer, J. and Rouve, G.
Transport of a tracer slug in a fractured permeable formation 176 (1996) 153
Rubin, Y. see Indelman, P.
Rudolph, D., see Stimson, J. et al.
Rushton, K.R. see Khan, S.
Rushton, K.R. see Khan, S.
Rushton, K.R. see Khan, S.
Russell, B.M., see Robertson, W.D. et al.
Rutschmann, P. and Hager, W.H.
Diffusion of floodwaves 178 (1996) 19
Sahin, V. and Hall, M.J.
The effects of afforestation and deforestation on water yields 178 (1996) 293
Salama, R.B., Ye, L. and Broun, J.
Comparative study of methods of preparing hydraulic-head surfaces and the introduction of automated hydrogeological–GIS techniques 185 (1996) 115
Sami, K. and Hughes, D.A.
A comparison of recharge estimates to a fractured sedimentary aquifer in South Africa from a chloride mass balance and an integrated surface–subsurface model 179 (1996) 111
Sanchís, E., see Andreu, J. et al.
Sander, G.C., Hairsine, P.B., Rose, C.W., Cassidy, D., Parlange, J.-Y., Hogarth, W.L. and Lisle, I.G.
Unsteady soil erosion model, analytical solutions and comparison with experimental results 178 (1996) 351
Savenije, H.H.G.
The runoff coefficient as the key to moisture recycling 176 (1996) 219

Saynor, P.R., see Hiscock, K.M. et al.
Sánchez-Vila, X., Carrera, J. and Girardi, J.P.
Scale effects in transmissivity 183 (1996) 1
Schaap, M.G., see Bouten, W. et al.
Schauffler, M., see Pugh IV, A.L. et al.
Schäfer, W. and Kinzelbach, W.K.H.
Transport of reactive species in heterogeneous porous media 183 (1996) 151
Scheyhing, C., see Ponce, V.M. et al.
Schmid, G. see Ptak, T.
Scholefield, D., Lord, E.I., Rodda, H.J.E. and Webb, B.
Estimating peak nitrate concentrations from annual nitrate loads 186 (1996) 357
Schwarz, H., see Loaiciga, H.A. et al.
Seibert, J., see Xu, C.-Y. et al.
Sene, K.J.
Meteorological estimates for the water balance of a sparse vine crop growing in semiarid conditions 179 (1996) 259
Seyler, P. and Elbaz-Poulichet, F.
Biogeochemical control on the temporal variability of trace element concentrations in the Oubangui river (Central African Republic) 180 (1996) 319
Shah, S.M.S., O'Connell, P.E. and Hosking, J.R.M.
Modelling the effects of spatial variability in rainfall on catchment response. 1. Formulation and calibration of a stochastic rainfall field model 175 (1996) 67
Shah, S.M.S., O'Connell, P.E. and Hosking, J.R.M.
Modelling the effects of spatial variability in rainfall on catchment response. 2. Experiments with distributed and lumped models 175 (1996) 89
Shalit, G. and Steenhuis, T.
A simple mixing layer model predicting solute flow to drainage lines under preferential flow 183 (1996) 139
Shamseldin, A.Y. and O'Connor, K.M.
A nearest neighbour linear perturbation model for river flow forecasting 179 (1996) 353
Sharma, T.C.
Simulation of the Kenyan longest dry and wet spells and the largest rain-sums using a Markov model 178 (1996) 55
Sharp, W.E., see Turner, B.F. et al.
Sharp, Jr., J.M., see Oetting, G.C. et al.
Shevenell, L.
Analysis of well hydrographs in a karst aquifer: estimates of specific yields and continuum transmissivities 174 (1996) 331
Shimojima, E., Yoshioka, R. and Tamagawa, I.
Salinization owing to evaporation from bare-soil surfaces and its influences on the evaporation 178 (1996) 109
Shuttleworth, W.J., see Arain, A.M. et al.
Siegel, D.I., see Reeve, A.S. et al.
Silliman, S.E.
The importance of the third dimension on transport through saturated porous media: case study based on transport of particles 179 (1996) 181
Sim, Y. see Chrysikopoulos, C.V.
Simonovic, S.P. and Bender, M.J.
Collaborative planning-support system: an approach for determining evaluation criteria 177 (1996) 237
Simonovic, S.P., see DeGagne, M.P.J. et al.
Skaggs, R.W., see Amatya, D.M. et al.
Smith, C.J., see Neal, C. et al.

Smith, R.E. and Goodrich, D.C.
Investigating prediction capability of HEC-1 and KINEROS kinematic wave runoff models — Comment 179 (1996) 391
Smith, S.V., Chambers, R.M. and Hollibaugh, J.T.
Dissolved and particulate nutrient transport through a coastal watershed–estuary system 176 (1996) 181
Smith, S.V., see Fischer, D.T. et al.
Sokolov, S. and Black, K.P.
Modelling the time evolution of water-quality parameters in a river: Yarra River, Australia 178 (1996) 311
Soliman, A.M., see Rubin, H. et al.
Sorooshian, S., see Yapo, P.O. et al.
Souch, C., Wolfe, C.P. and Grimmond, C.S.B.
Wetland evaporation and energy partitioning: Indiana Dunes National Lakeshore 184 (1996) 189
Spoor, G., see Youngs, E.G. et al.
Starrett, S.K., Christians, N.E. and Austin, T.Al
Comparing dispersivities and soil chloride concentrations of turfgrass-covered undisturbed and disturbed soil columns 180 (1996) 21
Stednick, J.D.
Monitoring the effects of timber harvest on annual water yield 176 (1996) 79
Steenhuis, T. see Shalit, G.
Sternberg, L.S.L., see Martinelli, L.A. et al.
Stetzenbach, K.J., see Johannesson, K.H. et al.
Stimson, J., Rudolph, D., Frape, S. and Drimmie, R.
Interpretation of groundwater flow patterns through a reconstruction of the tritium precipitation record in the Cochabamba Valley, Bolivia 180 (1996) 155
Stolwijk, N.H.M., Zijl, W. and Boekelman, R.
The penetration depth in modelling natural groundwater flow 185 (1996) 171
Strack, O.D.L. see Fitts, C.R.
Sukhija, B.S., Reddy, D.V., Nagabhushanam, P., Hussain, S., Giri, V.Y. and Patil, D.J.
Environmental and injected tracers methodology to estimate direct precipitation recharge to a confined aquifer 177 (1996) 77
Sukhija, B.S., Varma, V.N., Nagabhushanam, P. and Reddy, D.V.
Differentiation of palaeomarine and modern seawater intruded salinities in coastal groundwaters (of Karaikal and Tanjavur, India) based on inorganic chemistry, organic biomarker fingerprints and radiocarbon dating 174 (1996) 173
Sullivan, M., Warwick, J.J. and Tyler, S.W.
Quantifying and delineating spatial variations of surface infiltration in a small watershed 181 (1996) 149
Swanson, F.J.
Integrated River Basin Development, by C. Kirby and W.R. White (Editors) 176 (1996) 289
Szymkiewicz, R.
Numerical stability of implicit four-point scheme applied to inverse linear flow routing 176 (1996) 13
Tamagawa, I., see Shimojima, E. et al.
Tan, B.Q. and O'Connor, K.M.
Application of an empirical infiltration equation in the SMAR conceptual model 185 (1996) 275
Tani, M.
An approach to annual water balance for small mountainous catchments with wide spatial distributions of rainfall and snow water equivalent 183 (1996) 205
Tat Dac, N., see Van Truong, T. et al.
Taylor, C.B. and Fox, V.J.
An isotopic study of dissolved inorganic carbon in the catchment of the Waimakariri River and deep ground water of the North Canterbury Plains, New Zealand 186 (1996) 161

Taylor, R.G. and Howard, K.W.F.
Groundwater recharge in the Victoria Nile basin of east Africa: support for the soil moisture balance approach using stable isotope tracers and flow modelling 180 (1996) 31
Terradas, J., see Avila, A. et al.
Thauvin, V., see Andrieu, H. et al.
Thomas, M.O., see Hiscock, K.M. et al.
Tipping, E.
CHUM: a hydrochemical model for upland catchments 174 (1996) 305
Todini, E.
The ARNO rainfall–runoff model 175 (1996) 339
Todini, E. and Ferraresi, M.
Influence of parameter estimation uncertainty in Kriging 175 (1996) 555
Todini, E. see O'Connell, P.E.
Todini, E., see Anselmo, V. et al.
Todini, E., see Di Giammarco, P. et al.
Todini, E., see Ferraresi, M. et al.
Todini, E., see Franchini, M. et al.
Todini, E., see Franchini, M. et al.
Torres, J.L.J. see Durand, P.
Tran, T.
The 'missing scale' and direct simulation of block effective properties 183 (1996) 37
Tranter, M., see Evans, C.D. et al.
Troch, P.A., see Gyasi-Agyei, Y. et al.
Truesdale, V.W. and Jones, S.D.
The variation of iodate and total iodine in some UK rainwaters during 1980–1981 179 (1996) 67
Turcke, M.A. and Kueper, B.H.
Geostatistical analysis of the Borden aquifer hydraulic conductivity field 178 (1996) 223
Turner, B.F., Gardner, L.R. and Sharp, W.E.
The hydrology of Lake Bosumtwi, a climate-sensitive lake in Ghana, West Africa 183 (1996) 243
Turner, J.V., see Rosen, M.R. et al.
Tyagi, S.K., see Datta, P.S. et al.
Tyler, S.W., see Pohll, G.M. et al.
Tyler, S.W., see Sullivan, M. et al.
Ulaby, F.T., Dubois, P.C. and van Zyl, J.
Radar mapping of surface soil moisture 184 (1996) 57
Valdes, J.B., see Loaiciga, H.A. et al.
van Duijn, C.J. see Philip, J.R.
van Genuchten, M.Th., see Huang, K. et al.
Van Meerbeeck, S., see Vuksanovic, V. et al.
Van Truong, T., Tat Dac, N. and Ngoc Phien, H.
Simulation of acid water movement in canals 180 (1996) 361
van Wesemael, B., Poesen, J., Kosmas, C.S., Danalatos, N.G. and Nachtergaele, J.
Evaporation from cultivated soils containing rock fragments 182 (1996) 65
van Zyl, J., see Ulaby, F.T. et al.
Varma, V.N., see Sukhija, B.S. et al.
Veen, A.W.L., see Klaassen, W. et al.
Vergis, S., see Leontiadis, I.L. et al.
Vermetten, A.W.M., see Bouten, W. et al.
Verrette, J.-L., see Gárfias, J. et al.
Verrette, J.-L., see Gárfias, J. et al.
Verrette, J.-L., see Gárfias, J. et al.
Victoria, R.L., see Martinelli, L.A. et al.

Vignoli, R., see Ferraresi, M. et al.
Vincenzi, S. and Pugnaghi, S.
Temperature of a shallow lagoon (solar and tidal cycle interaction) 179 (1996) 377
Vogel, R., see Loaiciga, H.A. et al.
Vogel, R.M. see Fennessey, N.M.
Vuksanovic, V., De Smedt, F. and Van Meerbeeck, S.
Transport of polychlorinated biphenyls (PCB) in the Scheldt Estuary simulated with the water quality model WASP 174 (1996) 1
Walling, D.E. see Nicholas, A.P.
Wang, G.-T. and Chen, S.
A linear spatially distributed model for a surface rainfall-runoff system 185 (1996) 183
Wang, Y.-M. see Lin, G.-F.
Warrick, A.W., see de Rooij, G.H. et al.
Warwick, J.J., see Pohll, G.M. et al.
Warwick, J.J., see Sullivan, M. et al.
Webb, B., see Scholefield, D. et al.
Webster, P. see Jimoh, O.D.
Wen, M., see Clement, T.P. et al.
Wen, X.-H. and Gómez-Hernández, J.J.
Upscaling hydraulic conductivities in heterogeneous media: An overview 183 (1996) ix
Wendling, J., see Franchini, M. et al.
Wheater, H.S. see Onof, C.
Wheater, H.S. see Onof, C.
Whelan, M.J. and Anderson, J.M.
Modelling spatial patterns of throughfall and interception loss in a Norway spruce (*Picea abies*) plantation at the plot scale 186 (1996) 337
Wicks, J.M. and Bathurst, J.C
SHESED: a physically based, distributed erosion and sediment yield component for the SHE hydrological modelling system 175 (1996) 213
Wigington Jr., P.J., see Evans, C.D. et al.
Wilson, A.M. and Gorelick, S.
The effects of pulsed pumping on land subsidence in the Santa Clara Valley, California 174 (1996) 375
Wise, W.R., see Clement, T.P. et al.
Wolfe, C.P., see Souch, C. et al.
Wood, W.L.
A note on how to avoid spurious oscillation in the finite-element solution of the unsaturated flow equation 176 (1996) 205
Wood, W.W. see Bazuhair, A.S.
Woodbury, R.J., see Rosen, M.R. et al.
Wösten, J.H.M., see van Dam, J.C. et al.
Wu, J., Zhang, R. and Yang, J.
Analysis of rainfall–recharge relationships 177 (1996) 143
Xia, J., see Zou, S. et al.
Xu, C.-Y., Seibert, J. and Halldin, S.
Regional water balance modelling in the NOPEX area: development and application of monthly water balance models 180 (1996) 211
Xu, J.
Wandering braided river channel pattern developed under quasi-equilibrium: an example from the Hanjiang River, China 181 (1996) 85
Yang, J., see Wu, J. et al.
Yao, H., Hashino, M. and Yoshida, H.
Modeling energy and water cycle in a forested headwater basin 174 (1996) 221

Yapo, P.O., Gupta, H.V. and Sorooshian, S.
Automatic calibration of conceptual rainfall–runoff models: sensitivity to calibration data 181 (1996) 23
Yasuda, H., see Berndtsson, R. et al.
Ye, L., see Salama, R.B. et al.
Yeh, H.-D., see Chen, J.-S. et al.
Yeh, T.-C.J., see Harter, T. et al.
Yoshida, H., see Yao, H. et al.
Yoshioka, R., see Shimojima, E. et al.
Youngs, E.G., Spoor, G. and Goodall, G.R.
Infiltration from surface ponds into soils overlying a very permeable substratum 186 (1996) 329
Yu, Y.-S. see Zou, S.
Zhang, L., Dawes, W.R. and Hatton, T.J.
Modelling hydrologic processes using a biophysically based model–application of WAVES to FIFE and HAPEX–MOBILHY 185 (1996) 147
Zhang, R., see Wu, J. et al.
Zhou, Y.
Sampling frequency for monitoring the actual state of groundwater systems 180 (1996) 301
Zijl, W., see Stolwijk, N.H.M. et al.
Zijlstra, J. and Dane, J.H.
Identification of hydraulic parameters in layered soils based on a quasi-Newton method 181 (1996) 233
Zou, S. and Yu, Y.-S.
A dynamic factor model for multivariate water quality time series with trends 178 (1996) 381
Zou, S., Xia, J. and Koussis, A.D.
Analytical solutions to non-Fickian subsurface dispersion in uniform groundwater flow 179 (1996) 237

ELSEVIER

Journal of Hydrology 187 (1996) 408–430

Journal of Hydrology

Cumulative Subject Index Volumes 174–186

Aberdare Mountains
hydrology 180(1-4) 251-266
absolute age *see* C-14
absolute dating *see* absolute age
acid mine drainage
Ontario, hydrogeology 180(1-4) 55-78
acid rain
England, hydrogeology 174(3-4) 305-330
actual age (absolute age) *see* absolute age
Adams County Illinois
hydrogeology 176(1-4) 57-77
Adirondack Mountains
hydrology 185(1-4) 297-316
Africa *see also* Central Africa; East Africa; North Africa; Southern Africa; West Africa
ground water, Moroccan Atlas Mountains 183(3-4) 433-443; 183(3-4) 445-451
hydrogeology
Lake Victoria 180(1-4) 31-53
Nile Valley 180(1-4) 31-53
hydrology
Blue Nile 185(1-4) 335-348
Nile River 176(1-4) 294-296
AGCM model
hydrogeology 179(1-4) 137-157
agrochemicals *see also* herbicides
England, hydrology 174(3-4) 285-304
Al *see* aluminum
Albacete Spain
hydrology 179(1-4) 259-280
algal flora
Western Australia, hydrogeology 185(1-4) 241-274
alkali metals *see* potassium; sodium
alkaline earth metals *see* calcium; magnesium; strontium
alkanes *see* methane
alluvium aquifers
California, hydrogeology 178(1-4) 205-222
Colorado
ground water 186(1-4) 129-151
hydrogeology 186(1-4) 105-128
India, ground water 174(1-2) 173-201
Saudi Arabia, ground water 186(1-4) 153-159
Almeria Spain *see* Sierra de los Filabres
Alps
hydrology, Dolomites 181(1-4) 169-187
Altiplano
hydrology 176(1-4) 227-247; 176(1-4) 249-267; 176(1-4) 269-283
Alton Bog
pollution 182(1-4) 83-104
aluminosilicates
France, geochemistry 177(1-2) 47-63
aluminum
England, hydrogeology 174(3-4) 305-330
France, geochemistry 177(1-2) 47-63
Nepal, hydrology 185(1-4) 71-86
aluminum minerals
France, geochemistry 177(1-2) 47-63
Amazon Basin
hydrogeology 183(3-4) 191-204
hydrology 180(1-4) 237-250; 182(1-4) 277-295
ammonia compound
hydrology 178(1-4) 381-400
ammonium ion
Nepal, hydrology 185(1-4) 71-86
anastomosing streams *see* braided streams
Andalusia Spain *see* Almeria Spain
Anderson County Tennessee
ground water 174(3-4) 331-355
Andes *see* Altiplano; Bolivia
Andes Mountains *see* Andes
angiosperm flora
Canary Islands, hydrology 183(3-4) 307-321
angiosperms
Leguminosae, Spain 177(1-2) 23-31
annual growth rings *see* tree rings
Appalachians
hydrogeology, Piedmont 174(3-4) 243-261
AQUATOOL
hydrogeology 177(3-4) 269-291
aquifers *see also* alluvium aquifers; confined aquifers; perched aquifers; recharge; shallow aquifers; water resources
California
geologic hazards 174(3-4) 375-396
hydrogeology 178(1-4) 181-204
England
environmental geology 175(1-4) 383-406; 175(1-4) 429-452; 175(1-4) 473-509
ground water 184(3-4) 355-379
Germany, ground water 183(1-2) 117-138
ground water 176(1-4) 153-180; 177(1-2) 65-76; 179(1-4) 159-180; 179(1-4) 181-195; 179(1-4) 237-258; 179(1-4) 321-351; 180(1-4) 139-153; 183(1-2) 69-99; 183(1-2) 169-190; 183(3-4) 263-275

hydrogeology 174(1-2) 149-171
Idaho, hydrogeology 175(1-4) 181-211
Kansas
ground water 176(1-4) 133-151
hydrogeology 186(1-4) 191-229
Libya, ground water 175(1-4) 567-581
Morocco, ground water 183(3-4) 445-451
Nevada, hydrogeology 178(1-4) 181-204
Ontario
ground water 178(1-4) 223-240; 183(1-2) 1-22
hydrogeology 181(1-4) 127-147
pollution 180(1-4) 195-210; 183(1-2) 151-168
Tennessee, ground water 174(3-4) 331-355
Texas
ground water 183(1-2) 1-22
hydrogeology 181(1-4) 251-283
aquitards
Ontario, ground water 180(1-4) 267-281
Arabian Peninsula *see* Saudi Arabia
Aragon Spain
hydrology 174(1-2) 19-35
Ardeche France
ground water 185(1-4) 1-21
Arizona
Quaternary
Gila County Arizona 182(1-4) 239-257
Maricopa County Arizona 182(1-4) 239-257
Yavapai County Arizona 182(1-4) 239-257
Arkansas River
hydrology 178(1-4) 381-400
Armenia
hydrogeology 179(1-4) 87-109
ARNO model
hydrogeology 175(1-4) 339-382
hydrology 175(1-4) 511-532
Arno River basin
hydrogeology 175(1-4) 339-382
hydrology 175(1-4) 293-338
Aroca Basin
hydrogeology 180(1-4) 31-53
arsenic
California, hydrogeology 178(1-4) 181-204
Nevada, hydrogeology 178(1-4) 181-204
artificial intelligence 177(3-4) 161-291
As *see* arsenic
Ash Meadows Nevada
hydrogeology 178(1-4) 181-204
Asia *see also* Arabian Peninsula; Far East; Himalayas; Indian Peninsula; Middle East; Sri Lanka
hydrogeology, Tien Shan 186(1-4) 231-253
hydrology, Ganges River 181(1-4) 49-62
Asir Saudi Arabia
ground water 186(1-4) 153-159
Aspo Sweden
ground water 180(1-4) 1-19
Atlantic Coastal Plain
hydrogeology 181(1-4) 211-232
Atlantic Ocean *see* North Atlantic
Atlantic Ocean Islands *see* Canary Islands
Atlas Mountains *see* Moroccan Atlas Mountains
atmosphere
Brazil, hydrogeology 183(3-4) 191-204
hydrology 174(3-4) 263-284; 180(1-4) 373-394; 184(1-2) 3-17; 184(1-2) 19-34; 184(1-2) 35-55
New Zealand, hydrology 184(3-4) 175-187
atmospheric precipitation *see also* rain
Bolivia, hydrogeology 180(1-4) 155-172
British Columbia, hydrology 174(1-2) 37-56
California
hydrogeology 179(1-4) 207-236
hydrology 184(3-4) 209-223
Finland, hydrology 179(1-4) 281-304
France, hydrology 184(3-4) 243-259
Greece, hydrogeology 182(1-4) 1-17
hydrogeology 186(1-4) 231-253
Idaho, hydrogeology 175(1-4) 181-211
India, hydrogeology 177(1-2) 77-97
Italy
geologic hazards 175(1-4) 533-554
hydrogeology 175(1-4) 339-382
hydrology 181(1-4) 169-187
Japan, hydrology 183(3-4) 205-225; 186(1-4) 297-315
Netherlands, hydrogeology 181(1-4) 305-321
Russian Federation, hydrology 179(1-4) 23-36
Saskatchewan, hydrology 184(3-4) 277-298
Spain
hydrology 174(1-2) 19-35
Quaternary 177(1-2) 99-116
Sweden, hydrology 179(1-4) 281-304; 180(1-4) 211-236
United Kingdom, hydrology 183(3-4) 277-306
atrazine
Colorado, ground water 186(1-4) 129-151
Australasia *see* New Zealand
Australia *see also* New South Wales Australia; Queensland Australia; Victoria Australia; Western Australia
hydrology 178(1-4) 277-291
automatic cartography *see* digital cartography
autoregression 176(1-4) 249-267
backscattering
Michigan, hydrology 184(1-2) 57-84
Baden-Wurttemberg Germany *see* Neckar River
Bangalore India
hydrology 179(1-4) 197-205
bars
China, geomorphology 181(1-4) 85-103
Bartlett-Lewis model
hydrology 180(1-4) 109-138

basalts
Armenia, hydrogeology 179(1-4) 87-109
California, hydrogeology 179(1-4) 207-236
basins, drainage *see* drainage basins
BATS model
hydrology 177(1-2) 1-22
Bedfordshire England
environmental geology 175(1-4) 383-406; 175(1-4) 429-452
Belgium *see also* Scheldt River
hydrology 178(1-4) 1-18
Benghazi Plain Aquifer
ground water 175(1-4) 567-581
Berkshire England
ground water 184(3-4) 355-379
hydrogeology 177(3-4) 199-211
Beyda-Bayyada Aquifer
ground water 175(1-4) 567-581
bicarbonate ion
Colorado, ground water 186(1-4) 129-151
Nepal, hydrology 185(1-4) 71-86
Victoria Australia, hydrogeology 181(1-4) 63-83
biodegradation 182(1-4) 143-155; 183(1-2) 151-168
biomarkers
India, ground water 174(1-2) 173-201
biophysics
hydrology 185(1-4) 147-169
Biosphere-Atmosphere Transfer Scheme
hydrology 177(1-2) 1-22
Blisworth Formation
environmental geology 175(1-4) 383-406
block structures
ground water 183(1-2) 69-99; 183(1-2) ix-xxxii
petroleum 183(1-2) 23-35; 183(1-2) 37-56
Blue Nile
hydrology 185(1-4) 335-348
Bog soils
Ontario, hydrogeology 181(1-4) 285-304
bogs
Maine, pollution 182(1-4) 83-104
Ontario, hydrogeology 181(1-4) 127-147; 181(1-4) 285-304
Bolivia *see also* Altiplano
hydrogeology, Cochabamba Bolivia 180(1-4) 155-172
book reviews
Africa, hydrology 176(1-4) 294-296
energy sources 176(1-4) 290-293
hydrogeology 176(1-4) 296-297
hydrology 176(1-4) 285-286; 176(1-4) 287-289; 176(1-4) 289-290; 176(1-4) 298; 179(1-4) 399-400
Netherlands, ground water 176(1-4) 293-294
bootstrapping
Canada, hydrology 186(1-4) 85-103
Borden Aquifer
ground water 178(1-4) 223-240
Borneo *see* East Malaysia
Bosumtwi Crater
hydrology 183(3-4) 243-261
Bowen ratio
hydrology 178(1-4) 241-255
Br *see* bromine
braided streams
China, geomorphology 181(1-4) 85-103
Brazil *see also* Amazon Basin
hydrology
Paraiba Brazil 182(1-4) 117-141
Pernambuco Brazil 182(1-4) 117-141
Santa Catarina Brazil 182(1-4) 277-295
brines *see also* salt water; saltwater intrusion
Western Australia, hydrogeology 185(1-4) 241-274
British Columbia *see also* Fraser River
hydrology 174(1-2) 37-56
British North Borneo *see* Sabah Malaysia
Brittany
hydrology 181(1-4) 1-22
bromine
Western Australia, hydrogeology 185(1-4) 241-274
Brooks-Corey model
hydrology 179(1-4) 197-205
C *see* carbon
C-13/C-12
California, hydrogeology 179(1-4) 207-236
India, hydrogeology 177(1-2) 77-97
C-14
California, hydrogeology 178(1-4) 205-222; 179(1-4) 207-236
India
ground water 174(1-2) 173-201
hydrogeology 177(1-2) 77-97
New Zealand, hydrogeology 186(1-4) 161-190
calcium
Maine, pollution 182(1-4) 83-104
Ontario, hydrogeology 181(1-4) 285-304
Scotland, hydrology 186(1-4) 385-404
Texas, hydrogeology 181(1-4) 251-283
California *see also* Sacramento Basin
geologic hazards
San Francisco Bay region 174(3-4) 375-396
Santa Clara County California 174(3-4) 375-396
hydrogeology
Death Valley 178(1-4) 181-204
Inyo County California 178(1-4) 181-204
Lassen Volcanic National Park 179(1-4) 207-236
Sacramento California 178(1-4) 205-222
San Francisco Bay region 176(1-4) 181-203
Shasta County California 179(1-4) 207-236
Solano County California 178(1-4) 205-222
Tomales Bay 176(1-4) 181-203
Yolo County California 178(1-4) 205-222
hydrology
San Francisco Bay region 186(1-4) 255-275
Tomales Bay 186(1-4) 255-275

Cam River basin
hydrology 177(3-4) 213-235
Cambisols
Scotland, hydrology 186(1-4) 385-404
Cambridgeshire England
hydrology 177(3-4) 213-235
Canada *see also* Eastern Canada; Western Canada
hydrogeology 179(1-4) 1-21
Hudson Bay Lowlands 181(1-4) 285-304
James Bay 181(1-4) 285-304
hydrology 186(1-4) 85-103
Canadian Shield *see* Ontario
canals
hydrogeology 183(3-4) 383-395
Vietnam, hydrogeology 180(1-4) 361-371
Canary Islands
hydrology, Tenerife 183(3-4) 307-321
Canning Basin
hydrogeology 179(1-4) 137-157
Canterbury New Zealand *see* Christchurch New Zealand
Canterbury Plains
hydrogeology 186(1-4) 161-190
Cape Province South Africa
hydrogeology 179(1-4) 111-136
carbon
C-13/C-12
California 179(1-4) 207-236
India 177(1-2) 77-97
C-14
California 178(1-4) 205-222; 179(1-4) 207-236
India 174(1-2) 173-201; 177(1-2) 77-97
New Zealand 186(1-4) 161-190
California, hydrogeology 176(1-4) 181-203
carbon dioxide
California, hydrogeology 179(1-4) 207-236
New Zealand, hydrogeology 186(1-4) 161-190
carbon-14 *see* C-14
carbonate ion
Ontario, hydrogeology 181(1-4) 285-304
carbonate rocks *see also* chalk; limestone
California 178(1-4) 181-204
England, ground water 184(3-4) 355-379
Greece, hydrogeology 182(1-4) 1-17
Nevada, hydrogeology 178(1-4) 181-204
Texas, hydrogeology 181(1-4) 251-283
carbonate sediments
soils 178(1-4) 93-108
Carpathians
hydrology, Slovakian Carpathians 180(1-4) 333-350
Carteret County North Carolina
hydrogeology 181(1-4) 211-232
cartography *see* digital cartography
Cascade Range
hydrogeology 179(1-4) 207-236
Catalonia Spain
Quaternary 177(1-2) 99-116
catchments *see* drainage basins
cation exchange capacity 182(1-4) 83-104; 186(1-4) 385-404
Cedar Bog
ground water 186(1-4) 31-42
Cenozoic *see* Quaternary; Tertiary
Central African Republic
hydrology 180(1-4) 319-332
Central America *see* Costa Rica
Central Europe *see* Germany; Slovakia
Cevennes
hydrology 184(3-4) 243-259
Ceylon *see* Sri Lanka
chalk
England, environmental geology 175(1-4) 473-509
Chalk Aquifer
ground water 180(1-4) 79-107
Chalk River Ontario
ground water 183(1-2) 1-22
Champaign County Ohio
ground water 186(1-4) 31-42
channels *see also* braided streams; streamflow; waterways
Belgium, hydrology 178(1-4) 1-18
Iowa, hydrology 175(1-4) 213-238
Wales, hydrology 178(1-4) 1-18
Wyoming, hydrology 175(1-4) 213-238
chaos
Arizona, Quaternary 182(1-4) 239-257
Cheju Island
hydrogeology 179(1-4) 1-21
CHemistry of the Uplands Model
hydrogeology 174(3-4) 305-330
China *see also* Hebei China; Hubei China
geomorphology, Han River basin 181(1-4) 85-103
Quaternary 185(1-4) 221-240
chloride ion
California, hydrogeology 178(1-4) 181-204
England
environmental geology 175(1-4) 473-509
ground water 180(1-4) 79-107
ground water 179(1-4) 181-195
hydrology 178(1-4) 381-400
India, hydrogeology 176(1-4) 25-36; 177(1-2) 77-97
Maine, pollution 182(1-4) 83-104
Nepal, hydrology 185(1-4) 71-86
Nevada, hydrogeology 178(1-4) 181-204
Saudi Arabia, ground water 186(1-4) 153-159
soils 180(1-4) 21-29
South Africa, hydrogeology 179(1-4) 111-136
chlorinated hydrocarbons *see* PCBs
chlorine
India, ground water 174(1-2) 173-201
Texas, hydrogeology 181(1-4) 251-283
Western Australia, hydrogeology 185(1-4) 241-274

Christchurch New Zealand
hydrogeology 186(1-4) 161-190
CHUM
hydrogeology 174(3-4) 305-330
Cl *see* chlorine
Clare Ireland
hydrology 180(1-4) 109-138
clastic rocks *see* sandstone
clastic sediments *see* sand; till
clay
England, environmental geology 175(1-4) 383-406
Clay soils
hydrogeology 182(1-4) 157-173
Clifton-Preston Lakeland
hydrogeology 185(1-4) 241-274
clouds
hydrology 180(1-4) 173-194
CO2 *see* carbon dioxide
coastal plains
North Carolina, hydrogeology 181(1-4) 211-232
Cochabamba Bolivia
hydrogeology 180(1-4) 155-172
Cochrane District Ontario *see* Timmins Ontario
coefficient of permeability *see* hydraulic conductivity
coefficients, partition *see* partition coefficients
cokriging
Spain, hydrology 174(1-2) 19-35
cold springs
California, hydrogeology 179(1-4) 207-236
collapse structures
Nevada, hydrogeology 186(1-4) 43-62
colloquia *see* symposia
Colorado
ground water, Denver Colorado 186(1-4) 129-151
hydrogeology, Greeley Colorado 186(1-4) 105-128
Colorado River basin
hydrology 177(3-4) 253-268
Commonwealth of Independent States *see* **Armenia; Russian Federation**
computer programs
England
hydrogeology 177(3-4) 199-211
hydrology 177(3-4) 213-235
hydrogeology 177(3-4) 177-198
hydrology 177(3-4) 163-175
Mexico, hydrogeology 177(3-4) 199-211
condensation 182(1-4) 19-35
conferences *see* symposia
confined aquifers
England, ground water 180(1-4) 79-107
India, hydrogeology 177(1-2) 77-97
Netherlands, ground water 176(1-4) 293-294
conifers
hydrogeology 178(1-4) 293-309
hydrology 186(1-4) 345-364
Netherlands, hydrogeology 181(1-4) 305-321
North Carolina, hydrogeology 181(1-4) 211-232
continental dunes
China, Quaternary 185(1-4) 221-240
copper
India, environmental geology 182(1-4) 105-115
Cordevole Watershed
hydrology 181(1-4) 169-187
Costa Rica
hydrology 183(3-4) 227-241
Covington County Mississippi
hydrology 181(1-4) 23-48
crater lakes
Ghana, hydrology 183(3-4) 243-261
craters
Nevada, hydrogeology 186(1-4) 43-62
Cretaceous
England 175(1-4) 473-509; 180(1-4) 79-107; 184(3-4) 355-379
Turonian, Morocco 183(3-4) 433-443; 183(3-4) 445-451
Crimea Ukraine
hydrology 182(1-4) 19-35
Cu *see* copper
Culm River
hydrology 186(1-4) 277-295
Cumbria England
hydrogeology 174(3-4) 305-330; 179(1-4) 37-66
hydrology 179(1-4) 67-86
D/H
Brazil, hydrogeology 183(3-4) 191-204
California, hydrogeology 178(1-4) 205-222; 179(1-4) 207-236
England, ground water 180(1-4) 79-107
Greece, hydrogeology 182(1-4) 1-17
Uganda, hydrogeology 180(1-4) 31-53
Victoria Australia, hydrogeology 181(1-4) 63-83
Dakota Aquifer
ground water 183(1-2) 1-22
dams
tailings dams, Ontario 180(1-4) 55-78
Danjiangkou Reservoir
geomorphology 181(1-4) 85-103
De Witt County Illinois
hydrogeology 176(1-4) 57-77
Death Valley
hydrogeology 178(1-4) 181-204
decay, radioactive *see* radioactive decay
deforestation
hydrogeology 178(1-4) 293-309
Uganda, hydrogeology 180(1-4) 31-53
Delhi India
hydrogeology 176(1-4) 25-36
dendrochronology *see* tree rings
Denmark
hydrology, Zealand 179(1-4) 305-319
Denver Colorado
ground water 186(1-4) 129-151
Desaguadero River basin
hydrology 176(1-4) 227-247
deserts
China, Quaternary 185(1-4) 221-240
deuterium *see also* **D/H**
Ohio, ground water 186(1-4) 31-42
Devonshire England
hydrology 186(1-4) 277-295

pollution 183(3-4) 323-349
dew
Ukraine, hydrology 182(1-4) 19-35
diagenesis
soils 178(1-4) 93-108
Dicotyledoneae *see* Leguminosae
dictionaries
hydrology 176(1-4) 298
diffusion 175(1-4) 473-509; 178(1-4) 19-32; 178(1-4) 93-108; 180(1-4) 79-107; 183(1-2) 151-168
digital cartography
ground water 185(1-4) 115-136
digital terrain models
Belgium, hydrology 178(1-4) 1-18
Saskatchewan, hydrology 184(3-4) 277-298
Wales, hydrology 178(1-4) 1-18
disposal, waste *see* waste disposal
distribution coefficients *see* partition coefficients
Dokriani Glacier
hydrology 181(1-4) 49-62
Dolomites
hydrology 181(1-4) 169-187
Don River
hydrology 179(1-4) 23-36
drainage basins *see also* drainage patterns
Bolivia, hydrology 176(1-4) 227-247
Brazil, hydrology 182(1-4) 117-141
British Columbia
hydrogeology 182(1-4) 209-225
hydrology 174(1-2) 37-56
California
hydrogeology 179(1-4) 207-236
hydrology 184(3-4) 209-223
Denmark, hydrology 179(1-4) 305-319
England
hydrogeology 174(3-4) 305-330; 177(3-4) 199-211; 179(1-4) 37-66
hydrology 177(3-4) 213-235
pollution 183(3-4) 323-349; 186(1-4) 365-383
Quaternary 183(3-4) 397-424
Finland, hydrology 179(1-4) 281-304
France, hydrology 175(1-4) 293-338; 175(1-4) 595-613; 181(1-4) 1-22
geologic hazards 174(1-2) 83-127
hydrogeology 174(1-2) 149-171; 175(1-4) 3-16; 176(1-4) 296-297; 177(3-4) 177-198; 186(1-4) 231-253
hydrology 175(1-4) 583-594; 176(1-4) 79-95; 176(1-4) 289-290; 177(3-4) 163-175; 177(3-4) 253-268; 179(1-4) 391-397
Idaho, hydrogeology 175(1-4) 181-211
Illinois, hydrogeology 176(1-4) 57-77
India
ecology 178(1-4) 257-276
hydrology 181(1-4) 49-62
Iowa, hydrology 175(1-4) 213-238
Italy
hydrogeology 175(1-4) 339-382
hydrology 175(1-4) 239-265; 175(1-4) 293-338
Japan, hydrology 174(3-4) 221-234; 183(3-4) 205-225; 186(1-4) 297-315
Kenya, hydrology 180(1-4) 251-266
Malaysia, ecology 174(1-2) 129-148
Mexico, hydrogeology 177(3-4) 199-211
Mississippi, hydrology 181(1-4) 23-48
New Brunswick, hydrogeology 178(1-4) 137-157
New England, hydrology 178(1-4) 159-180
New South Wales Australia, hydrology 180(1-4) 283-299
New Zealand, hydrogeology 186(1-4) 161-190
Oklahoma, hydrology 184(1-2) 85-99
Ontario
hydrogeology 181(1-4) 285-304
hydrology 186(1-4) 63-84
Peru, hydrology 180(1-4) 237-250
Quebec, hydrology 186(1-4) 63-84
Queensland Australia, hydrogeology 179(1-4) 137-157
Russian Federation, hydrology 179(1-4) 23-36
Scotland
hydrology 186(1-4) 385-404
Quaternary 183(3-4) 397-424
Spain
hydrogeology 177(3-4) 269-291
Quaternary 177(1-2) 99-116
Sweden, hydrology 179(1-4) 281-304
Uganda, hydrogeology 180(1-4) 31-53
United Kingdom, hydrology 175(1-4) 67-88; 175(1-4) 89-111
Wales, pollution 186(1-4) 365-383
Western Australia, hydrogeology 179(1-4) 137-157
Wyoming, hydrology 175(1-4) 213-238
drainage patterns
Armenia, hydrogeology 179(1-4) 87-109
Belgium, hydrology 178(1-4) 1-18
England, hydrology 181(1-4) 323-342
Saudi Arabia, hydrology 176(1-4) 1-12
United Kingdom, hydrology 175(1-4) 407-428
Wales, hydrology 178(1-4) 1-18
drilling fluid
France, ground water 185(1-4) 1-21
dunes *see* continental dunes
Dupuit-Forchheimer model
hydrology 181(1-4) 189-209
Durham England
hydrology 174(3-4) 285-304
East Africa *see* Kenya; Tanzania; Uganda
East African Lakes *see* Lake Victoria
East Anglia *see also* Norfolk England
pollution 186(1-4) 365-383
East Malaysia *see* Sabah Malaysia

Eastern Alps *see* Dolomites
Eastern Canada *see* James Bay; Maritime Provinces; Ontario; Quebec
ecology *see also* deforestation; wetlands
Canary Islands, hydrology 183(3-4) 307-321
England, hydrology 177(3-4) 213-235
hydrology 179(1-4) 399-400; 185(1-4) 379-388
India 178(1-4) 257-276
Kansas, hydrogeology 186(1-4) 191-229
Malaysia 174(1-2) 129-148
Manitoba, hydrogeology 177(3-4) 237-251
New Brunswick, hydrogeology 178(1-4) 137-157
Spain 177(1-2) 23-31
economic geology *see* brines; peat; petroleum; water resources
ecoregions
India, ecology 178(1-4) 257-276
Edwards Aquifer
hydrogeology 181(1-4) 251-283
Eiss Limestone
hydrogeology 186(1-4) 191-229
electrical methods *see* time domain reflectometry
electromagnetic methods 185(1-4) 137-146
Emilia-Romagna Italy
hydrology 175(1-4) 239-265
encroachment (ground water) *see* salt-water intrusion
energy transfer
hydrology 174(3-4) 263-284
Japan, hydrology 174(3-4) 221-234
engineering geology *see* geologic hazards; land subsidence; reservoirs; rock mechanics; waste disposal; waterways
engineering, petroleum *see* petroleum engineering
England
environmental geology
Bedfordshire England 175(1-4) 383-406; 175(1-4) 429-452
Hertfordshire England 175(1-4) 473-509
ground water
Berkshire England 184(3-4) 355-379
Leicestershire England 185(1-4) 87-114
Norfolk England 180(1-4) 79-107
hydrogeology
Berkshire England 177(3-4) 199-211
Cumbria England 174(3-4) 305-330; 179(1-4) 37-66
London Basin 177(3-4) 199-211
Oxfordshire England 177(3-4) 199-211
hydrology
Cambridgeshire England 177(3-4) 213-235
Cumbria England 179(1-4) 67-86
Devonshire England 186(1-4) 277-295
Durham England 174(3-4) 285-304
Lancashire England 179(1-4) 67-86
North Yorkshire England 181(1-4) 323-342
Northumberland England 174(3-4) 285-304
Oxfordshire England 179(1-4) 67-86
pollution
Devonshire England 183(3-4) 323-349
East Anglia 186(1-4) 365-383
Humber Estuary 182(1-4) 37-64
Lincolnshire England 182(1-4) 37-64
Nottinghamshire England 182(1-4) 37-64
Oxfordshire England 183(3-4) 323-349
Quaternary 183(3-4) 397-424
English Lake District *see* Lake District
environmental geology *see* ecology; geologic hazards; impact statements; pollution; reclamation; waste disposal
Eocene
Wilcox Group, ground water 183(1-2) 1-22
eolian features *see* continental dunes; deserts
erosion
China, geomorphology 181(1-4) 85-103
hydrogeology 176(1-4) 296-297
hydrology 178(1-4) 351-367
Iowa, hydrology 175(1-4) 213-238
Iraq, hydrology 181(1-4) 105-126
Japan, hydrology 186(1-4) 297-315
Malaysia, ecology 174(1-2) 129-148
Wyoming, hydrology 175(1-4) 213-238
eruptive rocks *see* volcanic rocks
estuarine sedimentation
Belgium, pollution 174(1-2) 1-18
California, hydrogeology 176(1-4) 181-203
Netherlands, pollution 174(1-2) 1-18
eucalyptus
hydrogeology 178(1-4) 293-309
Europe *see also* Alps; Armenia; Central Europe; Southern Europe; Western Europe
hydrogeology
Greek Macedonia 182(1-4) 1-17
Greek Thrace 182(1-4) 1-17
Tagus Basin 177(3-4) 269-291
hydrology, Slovakian Carpathians 180(1-4) 333-350
pollution, Scheldt River 174(1-2) 1-18
explosions
nuclear explosions, Nevada 186(1-4) 43-62
Falling Creek watershed
hydrogeology 174(3-4) 243-261
Far East *see also* China; Japan; Korea; Vietnam
ecology, Sabah Malaysia 174(1-2) 129-148
fault blocks *see* block structures
faults *see also* lineaments
Texas, hydrogeology 181(1-4) 251-283
Fe *see* iron

features, fluvial *see* fluvial features
feeding ground *see* drainage basins
Feodosia Ukraine
hydrology 182(1-4) 19-35
FIFE
hydrology 177(1-2) 1-22; 185(1-4) 147-169
Finland
hydrology 179(1-4) 281-304
fish
Manitoba, hydrogeology 177(3-4) 237-251
New Brunswick, hydrogeology 178(1-4) 137-157
flood plains *see* floodplains
flood routing
France, hydrology 186(1-4) 1-30
hydrology 174(3-4) 235-241
Italy, hydrology 175(1-4) 239-265
floodplains
England
ground water 185(1-4) 87-114
hydrology 186(1-4) 277-295
Italy, geologic hazards 175(1-4) 533-554
floods *see also* waterways
Africa, hydrology 185(1-4) 335-348
Bolivia, hydrology 176(1-4) 249-267
Canada, hydrology 186(1-4) 85-103
Central African Republic, hydrology 180(1-4) 319-332
Denmark, hydrology 179(1-4) 305-319
England, hydrology 181(1-4) 323-342
France, hydrology 184(3-4) 243-259
geologic hazards 174(1-2) 83-127
Great Plains, hydrology 175(1-4) 511-532
hydrogeology 175(1-4) 3-16
Italy, hydrogeology 175(1-4) 339-382
Mississippi, hydrology 181(1-4) 23-48
New England, hydrology 178(1-4) 159-180
Ontario, hydrology 186(1-4) 63-84
Quebec, hydrology 186(1-4) 63-84
Tanzania, hydrology 185(1-4) 317-333
United Kingdom, hydrology 175(1-4) 17-46
FLOWPATH
hydrogeology 180(1-4) 31-53
fluoride ion
Mexico, hydrogeology 185(1-4) 23-44
fluvial features *see also* drainage patterns; floodplains; meanders; rivers
Brazil, hydrology 182(1-4) 117-141
France, hydrology 175(1-4) 293-338
Italy, hydrology 175(1-4) 293-338
fluvial sedimentation *see also* glaciofluvial sedimentation
California, hydrogeology 176(1-4) 181-203
China, geomorphology 181(1-4) 85-103
Costa Rica, hydrology 183(3-4) 227-241
England, hydrology 186(1-4) 277-295
hydrogeology 176(1-4) 296-297
Iowa, hydrology 175(1-4) 213-238
Japan, hydrology 186(1-4) 297-315
Wyoming, hydrology 175(1-4) 213-238
fluvial transport *see* stream transport
Fourier analysis
ground water 179(1-4) 237-258; 183(1-2) 169-190; 185(1-4) 171-182
hydrology 184(3-4) 337-354
pollution 180(1-4) 195-210
fractures
ground water 176(1-4) 153-180
joints, England 175(1-4) 473-509; 184(3-4) 355-379
fragments
hydrology 182(1-4) 65-82
France
geochemistry
Mortagne France 177(1-2) 47-63
Vosges Mountains 177(1-2) 47-63
ground water, Ardeche France 185(1-4) 1-21
hydrology
Brittany 181(1-4) 1-22
Cevennes 184(3-4) 243-259
Gard France 184(3-4) 243-259
Loire River 186(1-4) 1-30
Var France 175(1-4) 293-338; 175(1-4) 595-613
Fraser River
hydrogeology 182(1-4) 209-225
Ganges River
hydrology 181(1-4) 49-62
Gard France
hydrology 184(3-4) 243-259
Garhwal Himalayas
hydrology 181(1-4) 49-62
Garni Armenia
hydrogeology 179(1-4) 87-109
Geary County Kansas
hydrology 177(1-2) 1-22
general circulation models
geologic hazards 174(1-2) 83-127
hydrology 174(3-4) 263-284; 180(1-4) 373-394
Kansas, hydrology 177(1-2) 1-22
Queensland Australia, hydrogeology 179(1-4) 137-157
United Kingdom, hydrology 176(1-4) 115-131
Western Australia, hydrogeology 179(1-4) 137-157
generalized Pareto distribution
hydrology 177(1-2) 117-141
geochemical cycle
California, hydrogeology 176(1-4) 181-203
Finland, hydrology 179(1-4) 281-304
Ontario, hydrogeology 181(1-4) 285-304
Sweden, hydrology 179(1-4) 281-304
Western Australia, hydrogeology 185(1-4) 241-274

geochronology *see* absolute age; Cretaceous; Holocene; Permian; Pliocene; Quaternary
geographic information systems
ground water 185(1-4) 115-136
hydrogeology 177(3-4) 177-198
Italy, hydrology 181(1-4) 169-187
Nevada, hydrology 181(1-4) 149-168
geologic hazards *see also* floods; land subsidence
178(1-4) 109-136
British Columbia, hydrology 174(1-2) 37-56
England 175(1-4) 429-452
United Kingdom, hydrology 183(3-4) 277-306
geomorphic geology *see* geomorphology
geomorphologic controls
New England, hydrology 178(1-4) 159-180
geomorphology *see* channels; digital terrain models; drainage patterns; fluvial features; weathering
geophysical methods *see also* well-logging
electromagnetic methods 185(1-4) 137-146
time domain reflectometry, hydrology 182(1-4) 65-82
Georgia
hydrogeology, Jones County Georgia 174(3-4) 243-261
Germany
ground water, Neckar River 183(1-2) 117-138
Ghana
hydrology, Bosumtwi Crater 183(3-4) 243-261
Gila County Arizona
Quaternary 182(1-4) 239-257
glacial sedimentation *see* glaciofluvial sedimentation
glaciated terrains
England, ground water 180(1-4) 79-107
Illinois, hydrogeology 176(1-4) 57-77
glaciers
hydrogeology 186(1-4) 231-253
India, hydrology 181(1-4) 49-62
glaciofluvial sedimentation
India, hydrology 181(1-4) 49-62
Gleysols
hydrology 186(1-4) 385-404
global change *see also* global warming
hydrology 178(1-4) 241-255
global circulation models *see* general circulation models
global warming *see also* greenhouse effect
England, Quaternary 183(3-4) 397-424
Scotland, Quaternary 183(3-4) 397-424
Goose Creek basin
hydrogeology 176(1-4) 57-77
government agencies
Oak Ridge National Laboratory, Tennessee 174(3-4) 331-355
Grassberger-Procaccia method
Quaternary 182(1-4) 239-257
Great Bend Prairie Aquifer
ground water 176(1-4) 133-151
Great Britain *see also* England; Scotland; Wales
hydrogeology, Tyne River 179(1-4) 37-66
hydrology 175(1-4) 67-88; 175(1-4) 89-111; 176(1-4) 115-131
Tyne River 174(3-4) 285-304; 175(1-4) 407-428
Great Lakes
hydrology, Lake Michigan 184(3-4) 189-208
Great Lakes region *see also* Ontario
hydrology 184(3-4) 189-208
Great Plains *see also* Kansas; Nebraska; North Dakota; Saskatchewan; South Dakota
hydrology 184(1-2) 131-152
Greece
hydrogeology
Greek Macedonia 182(1-4) 1-17
Greek Thrace 182(1-4) 1-17
Greek Macedonia
hydrogeology 182(1-4) 1-17
Greek Thrace
hydrogeology 182(1-4) 1-17
Greeley Colorado
hydrogeology 186(1-4) 105-128
Green-Ampt equation
hydrogeology 178(1-4) 337-350
greenhouse effect
geologic hazards 174(1-2) 83-127
ground water *see also* alluvium aquifers; aquifers; aquitards; confined aquifers; hydraulics; hydrologic cycle; infiltration; Kalman filters; lysimeters; MODFLOW; natural recharge; perched aquifers; recharge; salt water; salt-water intrusion; shallow aquifers; springs; thermal waters; tracers; waste disposal; water resources
174(1-2) 57-82; 175(1-4) 1-613; 175(1-4) 3-16; 176(1-4) 205-218; 182(1-4) 175-194; 182(1-4) 195-207; 183(1-2) 1-190; 183(1-2) 57-68; 183(1-2) ix-xxxii; 183(3-4) 351-366; 183(3-4) 367-382; 183(3-4) 383-395; 185(1-4) 171-182; 186(1-4) 231-253; 186(1-4) 317-327
British Columbia 182(1-4) 209-225
California 176(1-4) 181-203
England 179(1-4) 37-66
poilution 182(1-4) 37-64
Illinois 176(1-4) 57-77
Italy 175(1-4) 339-382
Maine, pollution 182(1-4) 83-104
Netherlands 177(1-2) 33-45; 180(1-4) 301-318
North Carolina 181(1-4) 211-232
Ontario 180(1-4) 55-78
pollution 183(1-2) 139-149; 185(1-4) 199-219
Western Australia 185(1-4) 241-274
ground-water replenishment *see* recharge
Guanajuato Mexico
hydrogeology 177(3-4) 199-211

Gulf Coastal Plain
hydrology 181(1-4) 23-48
gymnosperm flora
conifers
hydrogeology 178(1-4) 293-309
hydrology 186(1-4) 345-364
Netherlands 181(1-4) 305-321
North Carolina 181(1-4) 211-232
H-2 *see* deuterium
H-3 *see* tritium
Hadley Creek basin
hydrogeology 176(1-4) 57-77
halogens *see* bromine; chlorine; iodine
Han River basin
geomorphology 181(1-4) 85-103
Hanjiang River
geomorphology 181(1-4) 85-103
HAPEX-MOBILHY
hydrology 185(1-4) 147-169
harmonic analysis *see* Fourier analysis
Harp Lake
hydrogeology 181(1-4) 127-147
Hat Creek Basalt
hydrogeology 179(1-4) 207-236
hazards, geologic *see* geologic hazards
heavy metals *see* copper; iron; zinc
Hebei China
hydrogeology 177(1-2) 143-160
HEC-1
hydrology 179(1-4) 391-397
HECNAR
hydrogeology 184(3-4) 299-315
hydrology 184(3-4) 317-336
Hejaz Saudi Arabia
ground water 186(1-4) 153-159
herbicides *see also* triazines
pollution 183(1-2) 139-149
Hertfordshire England
environmental geology 175(1-4) 473-509
High Plains *see* **Great Plains**
Himalayas *see also* Nepal
hydrology, Garhwal Himalayas 181(1-4) 49-62
Hokkaido
hydrology 186(1-4) 297-315
Holland *see* Netherlands
Holocene
Arizona 182(1-4) 239-257
California 178(1-4) 205-222; 186(1-4) 255-275
China 185(1-4) 221-240
England 183(3-4) 397-424
Hat Creek Basalt, hydrogeology 179(1-4) 207-236
New Zealand 186(1-4) 161-190
Scotland 183(3-4) 397-424
Spain 177(1-2) 99-116
Honshu
hydrology 183(3-4) 205-225
Hopei China *see* Hebei China
Horkheimer Island
ground water 183(1-2) 117-138
Hubei China *see* Han River basin
Hudson Bay Lowlands
hydrogeology 181(1-4) 285-304
Humber Estuary
pollution 182(1-4) 37-64
Hupei China *see* Hubei China
Hupselse Beek Netherlands
ground water 184(3-4) 153-173
hydraulic conductivity
Armenia, hydrogeology 179(1-4) 87-109
England
environmental geology 175(1-4) 383-406; 175(1-4) 429-452
ground water 184(3-4) 355-379; 185(1-4) 87-114
France
ground water 185(1-4) 1-21
hydrology 175(1-4) 293-338
ground water 177(1-2) 65-76; 179(1-4) 237-258; 179(1-4) 321-351; 183(1-2) 1-190; 183(1-2) 57-68; 183(1-2) ix-xxxii; 183(1-2) 169-190; 186(1-4) 317-327
hydrogeology 174(1-2) 149-171; 178(1-4) 69-91; 178(1-4) 337-350; 184(3-4) 299-315
hydrology 181(1-4) 189-209; 181(1-4) 233-250; 186(1-4) 329-344
India, hydrology 179(1-4) 197-205
Italy, hydrology 175(1-4) 293-338
Kansas, hydrogeology 186(1-4) 191-229
Malaysia, ecology 174(1-2) 129-148
Netherlands, ground water 176(1-4) 293-294; 177(1-2) 33-45
Nevada, hydrology 181(1-4) 149-168
Ontario
ground water 178(1-4) 223-240; 180(1-4) 267-281; 183(1-2) 1-22
hydrogeology 180(1-4) 55-78; 181(1-4) 127-147
pollution 183(1-2) 139-149; 183(1-2) 151-168
Saudi Arabia, hydrology 176(1-4) 1-12
Texas, ground water 183(1-2) 1-22
Victoria Australia, hydrogeology 181(1-4) 63-83
hydraulics *see also* waterways
ground water 185(1-4) 115-136
hydrogeology 176(1-4) 296-297
hydrocarbons *see* aliphatic hydrocarbons
hydrogen *see also* deuterium; tritium
D/H
Brazil 183(3-4) 191-204
California 178(1-4) 205-222; 179(1-4) 207-236
England 180(1-4) 79-107
Greece 182(1-4) 1-17
Uganda 180(1-4) 31-53
Victoria Australia 181(1-4) 63-83
hydrogeology *see* ground water; hydrology; springs; thermal waters
hydrologic cycle
Brazil, hydrogeology 183(3-4) 191-204
California
hydrogeology 178(1-4) 205-222
hydrology 184(3-4) 209-223
Colorado, hydrogeology 186(1-4) 105-128
England

hydrology 181(1-4) 323-342
Quaternary 183(3-4) 397-424
geologic hazards 174(1-2) 83-127
Georgia, hydrogeology 174(3-4) 243-261
hydrology 176(1-4) 219-225; 179(1-4) 391-397; 180(1-4) 373-394; 184(1-2) 1-152; 184(1-2) 3-17; 184(1-2) 19-34; 184(1-2) 35-55; 184(1-2) 101-129; 185(1-4) 147-169
Illinois, hydrology 184(1-2) 131-152
Japan, hydrology 174(3-4) 221-234; 183(3-4) 205-225
Kansas, hydrology 177(1-2) 1-22
Michigan, hydrology 184(1-2) 57-84
Nevada, hydrogeology 186(1-4) 43-62
New Brunswick, hydrogeology 178(1-4) 137-157
New South Wales Australia, hydrology 180(1-4) 283-299
Oklahoma, hydrology 184(1-2) 85-99
Ontario, hydrogeology 181(1-4) 127-147; 181(1-4) 285-304
Scotland, Quaternary 183(3-4) 397-424

hydrology *see also* atmosphere; atmospheric precipitation; floods; glaciers; infiltration; karst hydrology; limnology; lysimeters; reservoirs; rivers; springs; tracers; water resources; waterways
174(1-2) 149-171; 174(3-4) 211-220; 175(1-4) 1-613; 175(1-4) 113-127; 175(1-4) 129-159; 175(1-4) 161-180; 175(1-4) 267-291; 175(1-4) 555-566; 175(1-4) 583-594; 176(1-4) 79-95; 176(1-4) 285-286; 176(1-4) 287-289; 176(1-4) 289-290; 176(1-4) 296-297; 177(1-2) 117-141; 178(1-4) 241-255; 178(1-4) 351-367; 178(1-4) 381-400; 179(1-4) 399-400; 180(1-4) 173-194; 181(1-4) 189-209; 181(1-4) 233-250; 182(1-4) 65-82; 183(3-4) 351-366; 183(3-4) 367-382; 183(3-4) 383-395; 183(3-4) 425-431; 184(3-4) 299-315; 185(1-4) 183-198; 185(1-4) 349-361; 185(1-4) 363-378; 185(1-4) 379-388; 186(1-4) 345-364
Australia 178(1-4) 277-291
Belgium 178(1-4) 1-18
Bolivia 176(1-4) 227-247; 176(1-4) 269-283
Brazil 182(1-4) 277-295
British Columbia 182(1-4) 209-225
California 176(1-4) 181-203; 186(1-4) 255-275
Canary Islands 183(3-4) 307-321
Carpathians 180(1-4) 333-350
Costa Rica 183(3-4) 227-241
England 174(3-4) 285-304; 179(1-4) 37-66
pollution 182(1-4) 37-64; 183(3-4) 323-349; 186(1-4) 365-383
France 175(1-4) 595-613
geochemistry 177(1-2) 47-63
geophysical surveys 185(1-4) 137-146
Illinois 176(1-4) 57-77
India 179(1-4) 197-205
environmental geology 182(1-4) 105-115
Indiana 184(3-4) 189-208
Iowa 175(1-4) 213-238
Iraq 181(1-4) 105-126
Ireland 180(1-4) 109-138
Italy 179(1-4) 377-389
Kansas 186(1-4) 191-229
Kenya 178(1-4) 55-67; 180(1-4) 251-266
Maine, pollution 182(1-4) 83-104
Nepal 185(1-4) 71-86
New England 184(3-4) 337-354
New York 185(1-4) 297-316
Nigeria 185(1-4) 45-69
North Carolina 181(1-4) 211-232
Ontario 180(1-4) 55-78
Pakistan 174(3-4) 357-374
Peru 180(1-4) 237-250
Queensland Australia 179(1-4) 137-157
Scotland 186(1-4) 385-404
soils 180(1-4) 21-29
Spain 179(1-4) 259-280
Sri Lanka 185(1-4) 389-407
Ukraine 182(1-4) 19-35
United Kingdom 175(1-4) 47-65; 175(1-4) 67-88; 175(1-4) 89-111; 176(1-4) 115-131; 179(1-4) 67-86
Victoria Australia 178(1-4) 311-335
Wales 176(1-4) 97-113; 178(1-4) 1-18
pollution 186(1-4) 365-383
Western Australia 179(1-4) 137-157
Wyoming 175(1-4) 213-238

hysteresis
Netherlands, ground water 184(3-4) 153-173

I *see* iodine

Iberian Peninsula *see* Spain; Tagus Basin

Idaho
hydrogeology, Owyhee County Idaho 175(1-4) 181-211

igneous rocks
basalts
Armenia 179(1-4) 87-109
California 179(1-4) 207-236
volcanic rocks, Mexico 185(1-4) 23-44

Ikushunbetsu River
hydrology 186(1-4) 297-315

Illinois
hydrogeology
Adams County Illinois 176(1-4) 57-77
De Witt County Illinois 176(1-4) 57-77
Livingston County Illinois 176(1-4) 57-77
Piatt County Illinois 176(1-4) 57-77
Pike County Illinois 176(1-4) 57-77
Woodford County Illinois 176(1-4) 57-77
hydrology 175(1-4) 511-532; 184(1-2) 131-152

impact statements
California, hydrology 184(3-4) 209-223
Carpathians, hydrology 180(1-4) 333-350
England, hydrogeology 179(1-4) 37-66
France, hydrology 175(1-4) 595-613
hydrology 175(1-4) 583-594
Nepal, hydrology 185(1-4) 71-86

increment *see* recharge
India
ecology, Tamil Nadu India 178(1-4) 257-276
environmental geology, Uttar Pradesh India 182(1-4) 105-115
ground water, Tamil Nadu India 174(1-2) 173-201
hydrogeology
Delhi India 176(1-4) 25-36
Neyveli India 177(1-2) 77-97
South Arcot 177(1-2) 77-97
hydrology
Bangalore India 179(1-4) 197-205
Garhwal Himalayas 181(1-4) 49-62
Indian Peninsula *see* Nepal; Pakistan
Indiana
hydrology, Porter County Indiana 184(3-4) 189-208
Indiana Dunes National Lakeshore
hydrology 184(3-4) 189-208
infiltration
China
hydrogeology 177(1-2) 143-160
Quaternary 185(1-4) 221-240
England, ground water 180(1-4) 79-107
France, hydrology 175(1-4) 293-338
hydrology 178(1-4) 369-380; 179(1-4) 391-397; 182(1-4) 143-155; 185(1-4) 275-295; 186(1-4) 329-344
Idaho, hydrogeology 175(1-4) 181-211
India, hydrogeology 176(1-4) 25-36
Italy, hydrology 175(1-4) 293-338
Kansas, hydrology 177(1-2) 1-22
Libya, ground water 175(1-4) 567-581
Malaysia, ecology 174(1-2) 129-148
Netherlands, ground water 184(3-4) 153-173
Nevada, hydrology 181(1-4) 149-168
New Zealand, hydrogeology 186(1-4) 161-190
Saudi Arabia, hydrology 176(1-4) 1-12
South Africa, hydrogeology 179(1-4) 111-136
Sweden, ground water 180(1-4) 1-19
Uganda, hydrogeology 180(1-4) 31-53
information systems *see* geographic information systems
interception
hydrology 185(1-4) 349-361; 185(1-4) 363-378; 185(1-4) 379-388; 186(1-4) 345-364
Netherlands, hydrogeology 181(1-4) 305-321
New South Wales Australia, hydrology 180(1-4) 283-299
Sri Lanka, hydrology 185(1-4) 389-407
intrusion (ground water) *see* saltwater intrusion
Inyo County California
hydrogeology 178(1-4) 181-204
iodate ion
United Kingdom, hydrology 179(1-4) 67-86
iodine
India, ground water 174(1-2) 173-201
United Kingdom, hydrology 179(1-4) 67-86
Iowa
hydrology 175(1-4) 213-238; 175(1-4) 511-532
Iraq
hydrology 181(1-4) 105-126
Ireland
hydrology
Clare Ireland 180(1-4) 109-138
Kerry Ireland 180(1-4) 109-138
iron
India 182(1-4) 105-115
Nepal, hydrology 185(1-4) 71-86
isotopes *see also* radioactive isotopes; stable isotopes; tracers
C-13/C-12
California 179(1-4) 207-236
India 177(1-2) 77-97
C-14
California 178(1-4) 205-222; 179(1-4) 207-236
India 174(1-2) 173-201; 177(1-2) 77-97
New Zealand 186(1-4) 161-190
D/H
Brazil 183(3-4) 191-204
California 178(1-4) 205-222; 179(1-4) 207-236
England 180(1-4) 79-107
Greece 182(1-4) 1-17
Uganda 180(1-4) 31-53
Victoria Australia 181(1-4) 63-83
O-18, hydrology 184(3-4) 317-336
O-18/O-16
Brazil 183(3-4) 191-204
California 178(1-4) 205-222; 179(1-4) 207-236
England 180(1-4) 79-107
Georgia 174(3-4) 243-261
Greece 182(1-4) 1-17
India 176(1-4) 25-36
Ohio 186(1-4) 31-42
Uganda 180(1-4) 31-53
Victoria Australia 181(1-4) 63-83
Sr-87/Sr-86, Texas 181(1-4) 251-283
Itajai-Acu River
hydrology 182(1-4) 277-295
Italy
geologic hazards, Viterbo Italy 175(1-4) 533-554
hydrogeology, Arno River basin 175(1-4) 339-382
hydrology
Arno River basin 175(1-4) 293-338
Emilia-Romagna Italy 175(1-4) 239-265
Veneto Italy 181(1-4) 169-187
Venice Italy 179(1-4) 377-389
IUHs
hydrology 175(1-4) 407-428
Jalisco Mexico
hydrogeology 177(3-4) 199-211
James Bay
hydrogeology 181(1-4) 285-304
Japan
hydrology
Hokkaido 186(1-4) 297-315
Honshu 183(3-4) 205-225

Shikoku 174(3-4) 221-234
Jardine River
hydrogeology 179(1-4) 137-157
joints
England
environmental geology 175(1-4) 473-509
ground water 184(3-4) 355-379
Jones County Georgia
hydrogeology 174(3-4) 243-261
Jurassic
Oxford Clay, environmental geology 175(1-4) 383-406
K *see* potassium
Kali River
environmental geology 182(1-4) 105-115
kalium *see* potassium
Kalman filters
ground water 175(1-4) 453-471
Libya, ground water 175(1-4) 567-581
Kandy Sri Lanka
hydrology 185(1-4) 389-407
Kansas
ground water 176(1-4) 133-151
hydrogeology, Manhattan Kansas 186(1-4) 191-229
hydrology 175(1-4) 511-532
Geary County Kansas 177(1-2) 1-22
Karaikal India
ground water 174(1-2) 173-201
Karnataka India *see* Bangalore India
Karroo Supergroup
hydrogeology 179(1-4) 111-136
karst hydrology
Tennessee, ground water 174(3-4) 331-355
Texas, hydrogeology 181(1-4) 251-283
Kellaways Formation
environmental geology 175(1-4) 383-406
Kenya
hydrology 178(1-4) 55-67; 180(1-4) 251-266
Kerang Lakes
hydrogeology 181(1-4) 63-83
Kerry Ireland
hydrology 180(1-4) 109-138
Kidd Creek Mine
hydrogeology 180(1-4) 55-78
KINEROS
hydrology 179(1-4) 391-397
Konza Prairie Research Natural Area
hydrogeology 186(1-4) 191-229
Korea
hydrogeology, Cheju Island 179(1-4) 1-21
kriging *see also* cokriging
hydrology 175(1-4) 555-566
La Cuenca Peru
hydrology 180(1-4) 237-250
lagoons
Italy, hydrology 179(1-4) 377-389
Lake Clifton
hydrogeology 185(1-4) 241-274
Lake District
hydrogeology 174(3-4) 305-330
hydrology 179(1-4) 67-86
Lake Hayward
hydrogeology 185(1-4) 241-274
Lake Michigan
hydrology 184(3-4) 189-208
Lake Poopo
hydrology 176(1-4) 227-247
Lake Preston
hydrogeology 185(1-4) 241-274
Lake Tahoe
hydrology 181(1-4) 149-168
Lake Titicaca
hydrology 176(1-4) 227-247
Lake Victoria
hydrogeology 180(1-4) 31-53
lakes *see* crater lakes
Lancashire England
hydrology 179(1-4) 67-86
land cover
hydrology 180(1-4) 373-394
Queensland Australia, hydrogeology 179(1-4) 137-157
Western Australia, hydrogeology 179(1-4) 137-157
land reclamation *see* reclamation
land subsidence *see also* collapse structures
California, geologic hazards 174(3-4) 375-396
land use *see also* deforestation; geologic hazards; impact statements
England
hydrology 174(3-4) 285-304; 177(3-4) 213-235
pollution 183(3-4) 323-349; 186(1-4) 365-383
hydrology 176(1-4) 79-95; 177(3-4) 253-268
Illinois, hydrogeology 176(1-4) 57-77
India, ecology 178(1-4) 257-276
Kenya, hydrology 180(1-4) 251-266
Malaysia, ecology 174(1-2) 129-148
Manitoba, hydrogeology 177(3-4) 237-251
Ontario, ground water 180(1-4) 267-281
Wales, pollution 186(1-4) 365-383
landfills
hydrology 182(1-4) 143-155
Laplace transformations
ground water 174(1-2) 57-82; 177(1-2) 65-76; 183(3-4) 263-275
hydrology 185(1-4) 183-198
Lassen Volcanic National Park
hydrogeology 179(1-4) 207-236
Latium Italy *see* Viterbo Italy
Laurentian Plateau *see* Canadian Shield
Laurus azorica
hydrology 183(3-4) 307-321
Leguminosae
Spain, ecology 177(1-2) 23-31
Leicestershire England
ground water 185(1-4) 87-114
Lerma River basin
hydrogeology 177(3-4) 199-211
Libya
ground water 175(1-4) 567-581
limestone
England, ground water 180(1-4) 79-107
Kansas, hydrogeology 186(1-4) 191-229
Morocco, ground water 183(3-4) 433-443

limnology
Ghana, hydrology 183(3-4) 243-261
Nevada, hydrology 181(1-4) 149-168
New Zealand, hydrology 184(3-4) 175-187
Victoria Australia, hydrogeology 181(1-4) 63-83
Western Australia, hydrogeology 185(1-4) 241-274
Lincolnshire England
pollution 182(1-4) 37-64
lineaments
Mexico, hydrogeology 185(1-4) 23-44
linear perturbation models
hydrology 179(1-4) 353-375
linear programming
ground water 183(1-2) 169-190
hydrology 179(1-4) 353-375; 185(1-4) 183-198
lithium chloride
Spain, ecology 177(1-2) 23-31
Little Washita River basin
hydrology 184(1-2) 85-99
Livingston County Illinois
hydrogeology 176(1-4) 57-77
loam
hydrology 186(1-4) 329-344
India, hydrology 179(1-4) 197-205
Loire River
hydrology 186(1-4) 1-30
London Basin
hydrogeology 177(3-4) 199-211
lower Eocene *see* Wilcox Group
lumped parameter models
Canada, hydrogeology 179(1-4) 1-21
Korea, hydrogeology 179(1-4) 1-21
lysimeters
China, hydrogeology 177(1-2) 143-160
Macedonia *see* Greek Macedonia
MAGIC
Quaternary 177(1-2) 99-116
magnesium
Maine, pollution 182(1-4) 83-104
Scotland, hydrology 186(1-4) 385-404
Maine
pollution, Penobscot County Maine 182(1-4) 83-104
Malay Archipelago
ecology, Sabah Malaysia 174(1-2) 129-148
Malaysia
ecology, Sabah Malaysia 174(1-2) 129-148
Manhattan Kansas
hydrogeology 186(1-4) 191-229
Manitoba
hydrogeology 177(3-4) 237-251
Maricopa County Arizona
Quaternary 182(1-4) 239-257
Marin County California *see* Tomales Bay
marine sediments
soils 178(1-4) 93-108
Maritime Provinces *see* New Brunswick
maximum likelihood analysis
Brazil, hydrology 182(1-4) 277-295
hydrology 175(1-4) 555-566
meanders
China 181(1-4) 85-103
Mediterranean region
hydrology 175(1-4) 595-613
Quaternary 177(1-2) 99-116
meetings *see* symposia
Mekong Delta
hydrogeology 180(1-4) 361-371
Meseta
ground water 183(3-4) 433-443; 183(3-4) 445-451
Mesozoic *see* Cretaceous; Jurassic
metals *see also* alkali metals; alkaline earth metals; aluminum; arsenic; copper; iron; trace metals; zinc
Ontario, hydrogeology 180(1-4) 55-78
methane
Ontario, hydrogeology 181(1-4) 285-304
Mexico
hydrogeology
Guanajuato Mexico 177(3-4) 199-211
Jalisco Mexico 177(3-4) 199-211
Mexico state 177(3-4) 199-211
Michoacan Mexico 177(3-4) 199-211
San Luis Potosi Mexico 185(1-4) 23-44
Mexico state
hydrogeology 177(3-4) 199-211
Mg *see* magnesium
Michigan
hydrology 184(1-2) 57-84
Michoacan Mexico
hydrogeology 177(3-4) 199-211
microfossils *see* algal flora
Middle East *see* Iraq
Middle West (United States) *see* Midwest
Middleton Formation
hydrogeology 179(1-4) 111-136
Midwest
hydrology 175(1-4) 511-532; 184(1-2) 131-152
mineralogy *see* aluminosilicates; nitrates; oxides; phosphates; sulfates
Minnesota
hydrology 175(1-4) 511-532
Miramichi River basin
hydrogeology 178(1-4) 137-157
Mississippi
hydrology, Covington County Mississippi 181(1-4) 23-48
Missouri
hydrology 175(1-4) 511-532
MODFLOW
England, ground water 185(1-4) 87-114
ground water 179(1-4) 181-195
MODHYDROLOG
hydrogeology 179(1-4) 137-157
Modified Turning Bands model
hydrology 175(1-4) 113-127; 175(1-4) 129-159; 175(1-4) 161-180
MODPATH
ground water 179(1-4) 181-195
molecular fossils *see* biomarkers
monsoons
India, hydrology 181(1-4) 49-62

Pakistan, hydrogeology 174(3-4) 357-374

Montalto di Castro Italy
geologic hazards 175(1-4) 533-554

Montseny Mountains
Quaternary 177(1-2) 99-116

Moroccan Atlas Mountains
ground water 183(3-4) 433-443; 183(3-4) 445-451

Morocco
ground water, Moroccan Atlas Mountains 183(3-4) 433-443; 183(3-4) 445-451

Morrill Limestone
hydrogeology 186(1-4) 191-229

Mortagne France
geochemistry 177(1-2) 47-63

MTB model
hydrology 175(1-4) 113-127; 175(1-4) 129-159; 175(1-4) 161-180

Murcia region *see* Albacete Spain

Murray Basin
hydrogeology 181(1-4) 63-83

Muskingum-Cunge model
hydrology 174(3-4) 235-241

N *see* nitrogen

Na *see* sodium

Narborough Bog
ground water 185(1-4) 87-114

Nash equation
hydrology 182(1-4) 227-238

natrium *see* sodium

natural recharge
hydrogeology 174(3-4) 211-220

Nebraska
hydrology 175(1-4) 511-532

Nechako River
hydrogeology 182(1-4) 209-225

Neckar River
ground water 183(1-2) 117-138

Neiveli India *see* Neyveli India

NELUP
hydrology 174(3-4) 285-304; 177(3-4) 213-235

Neogene *see* Pliocene

Nepal
hydrology 185(1-4) 71-86

Netherlands *see also* Scheldt River
ground water 176(1-4) 293-294; 177(1-2) 33-45; 180(1-4) 301-318; 184(3-4) 153-173
hydrogeology 181(1-4) 305-321

Nevada
hydrogeology
Nevada Test Site 178(1-4) 181-204; 186(1-4) 43-62
Nye County Nevada 186(1-4) 43-62
Yucca Mountain 178(1-4) 181-204
hydrology, Washoe County Nevada 181(1-4) 149-168

Nevada Test Site
hydrogeology 178(1-4) 181-204; 186(1-4) 43-62

New Brunswick
hydrogeology 178(1-4) 137-157

New England
hydrology 178(1-4) 159-180; 184(3-4) 337-354

New South Wales Australia
hydrology 180(1-4) 283-299

New York
hydrology, Adirondack Mountains 185(1-4) 297-316

New Zealand *see also* South Island
hydrogeology, Christchurch New Zealand 186(1-4) 161-190

Neyman-Scott model
hydrology 175(1-4) 17-46; 175(1-4) 47-65

Neyveli India
hydrogeology 177(1-2) 77-97

Nigeria
hydrology 185(1-4) 45-69

Nile River
hydrology 176(1-4) 294-296

Nile Valley
hydrogeology 180(1-4) 31-53

nitrates
Carpathians, hydrology 180(1-4) 333-350
Colorado
ground water 186(1-4) 129-151
hydrogeology 186(1-4) 105-128
England
hydrology 174(3-4) 285-304
pollution 186(1-4) 365-383
hydrogeology 182(1-4) 157-173
Ontario, ground water 180(1-4) 267-281
Wales, pollution 186(1-4) 365-383

nitrogen
California, hydrogeology 176(1-4) 181-203
England
hydrogeology 174(3-4) 305-330
hydrology 174(3-4) 285-304
pollution 183(3-4) 323-349; 186(1-4) 365-383
Finland, hydrology 179(1-4) 281-304
hydrology 178(1-4) 381-400
Sweden, hydrology 179(1-4) 281-304
Wales, pollution 186(1-4) 365-383

NOPEX
hydrology 180(1-4) 211-236

Norfolk England
ground water 180(1-4) 79-107

North Africa *see* Atlas Mountains; Libya

North America *see* Appalachians; Canadian Shield; Great Lakes; Great Lakes region; Great Plains

North Atlantic *see* North Sea

North Borneo *see* Sabah Malaysia

North Carolina
hydrogeology, Carteret County North Carolina 181(1-4) 211-232

North Central (United States) *see* Midwest

North Dakota
hydrology 175(1-4) 511-532

North Sea
pollution 183(1-2) 101-116

North Yorkshire England
hydrology 181(1-4) 323-342

North-Central (United States) *see* Midwest

Northumberland England
hydrology 174(3-4) 285-304

Nottinghamshire England
pollution 182(1-4) 37-64

NUARNO
hydrology 177(3-4) 213-235
nuclear explosions
Nevada, hydrogeology 186(1-4) 43-62
nuclear waste *see* radioactive waste
Nye County Nevada *see also* Yucca Mountain
hydrogeology 186(1-4) 43-62
O-16/O-18 *see* O-18/O-16
O-18
hydrology 184(3-4) 317-336
O-18/O-16
Brazil, hydrogeology 183(3-4) 191-204
California, hydrogeology 178(1-4) 205-222; 179(1-4) 207-236
England, ground water 180(1-4) 79-107
Georgia, hydrogeology 174(3-4) 243-261
Greece, hydrogeology 182(1-4) 1-17
India, hydrogeology 176(1-4) 25-36
Ohio, ground water 186(1-4) 31-42
Uganda, hydrogeology 180(1-4) 31-53
Victoria Australia, hydrogeology 181(1-4) 63-83
Oak Ridge National Laboratory
Tennessee, ground water 174(3-4) 331-355
ocean circulation
Belgium, pollution 174(1-2) 1-18
Italy, hydrology 179(1-4) 377-389
Netherlands, pollution 174(1-2) 1-18
oceanography *see* estuaries; sea water; sedimentation; sediments
Ohio
ground water, Champaign County Ohio 186(1-4) 31-42
oil and gas *see* petroleum
oil spills
ground water 183(1-2) 69-99
North Sea, pollution 183(1-2) 101-116
Oklahoma
hydrology 184(1-2) 85-99
Ontario *see also* Hudson Bay Lowlands; James Bay
ground water 178(1-4) 223-240; 180(1-4) 267-281
Chalk River Ontario 183(1-2) 1-22
hydrogeology 181(1-4) 127-147
Timmins Ontario 180(1-4) 55-78
hydrology 186(1-4) 63-84
open-ditch drainage
England, hydrogeology 179(1-4) 37-66
organic carbon
New York, hydrology 185(1-4) 297-316
Ontario, hydrogeology 181(1-4) 285-304
organic materials
Central African Republic, hydrology 180(1-4) 319-332
hydrology 178(1-4) 381-400
India, ground water 174(1-2) 173-201
New Zealand, hydrogeology 186(1-4) 161-190
organic carbon
New York 185(1-4) 297-316
Ontario 181(1-4) 285-304
organic residues *see* peat
Orne France *see* Mortagne France
ORNL *see* Oak Ridge National Laboratory
Ottawa River
hydrogeology 179(1-4) 1-21
Oubangui River
hydrology 180(1-4) 319-332
Oubangui-Chari *see* Central African Republic
Ouddorp Netherlands
ground water 177(1-2) 33-45; 184(3-4) 153-173
Ouse River basin
hydrology 181(1-4) 323-342
overbank sedimentation
England, hydrology 186(1-4) 277-295
Owyhee County Idaho
hydrogeology 175(1-4) 181-211
Oxford Clay
environmental geology 175(1-4) 383-406
Oxfordshire England
hydrogeology 177(3-4) 199-211
hydrology 179(1-4) 67-86
pollution 183(3-4) 323-349
oxides
France, geochemistry 177(1-2) 47-63
oxygen
O-18, hydrology 184(3-4) 317-336
O-18/O-16
Brazil 183(3-4) 191-204
California 178(1-4) 205-222; 179(1-4) 207-236
England 180(1-4) 79-107
Georgia 174(3-4) 243-261
Greece 182(1-4) 1-17
India 176(1-4) 25-36
Ohio 186(1-4) 31-42
Uganda 180(1-4) 31-53
Victoria Australia 181(1-4) 63-83
P *see* phosphorus
Pahranagat Valley
hydrogeology 178(1-4) 181-204
Pakistan
hydrogeology, Punjab Pakistan 174(3-4) 357-374
Paleogene *see* Eocene
Paleozoic *see* Permian
Palomo Costa Rica
hydrology 183(3-4) 227-241
Panther Creek basin
hydrogeology 176(1-4) 57-77
Paraiba Brazil
hydrology 182(1-4) 117-141
Pareto distribution
hydrology 177(1-2) 117-141
partition coefficients 183(1-2) 139-149; 185(1-4) 199-219
PCBs
Belgium, pollution 174(1-2) 1-18
Netherlands, pollution 174(1-2) 1-18
peat
Maine, pollution 182(1-4) 83-104
Scotland, hydrology 186(1-4) 385-404
Penman-Monteith equation
hydrology 184(3-4) 337-354; 185(1-4) 147-169; 186(1-4) 345-364

Penobscot County Maine
pollution 182(1-4) 83-104
perched aquifers
Armenia, hydrogeology 179(1-4) 87-109
permeability coefficient *see* hydraulic conductivity
Permian *see also* Karroo Supergroup
Kansas 176(1-4) 133-151
Pernambuco Brazil
hydrology 182(1-4) 117-141
Peru *see* Amazon Basin
pesticides *see* herbicides
petroleum *see* oil spills
petroleum engineering
183(1-2) 23-35; 183(1-2) 37-56
energy sources 176(1-4) 290-293
ground water 183(1-2) 69-99
North Sea, pollution 183(1-2) 101-116
petroleum products
Colorado, ground water 186(1-4) 129-151
phase equilibria *see also* carbon dioxide
Vietnam, hydrogeology 180(1-4) 361-371
phosphates
France, geochemistry 177(1-2) 47-63
phosphorus
California, hydrogeology 176(1-4) 181-203
England, pollution 183(3-4) 323-349
hydrology 178(1-4) 381-400
Piatt County Illinois
hydrogeology 176(1-4) 57-77
Picard method
hydrogeology 178(1-4) 69-91
Picea abies
hydrology 186(1-4) 345-364
Piedmont
hydrogeology 174(3-4) 243-261
Pike County Illinois
hydrogeology 176(1-4) 57-77
Plantae *see* Spermatophyta
plants *see also* algal flora; angiosperm flora; gymnosperm flora
hydrology 183(3-4) 425-431
Malaysia, ecology 174(1-2) 129-148
Spain, hydrology 179(1-4) 259-280
plate tectonics
England, environmental geology 175(1-4) 473-509
Pliocene
India 174(1-2) 173-201
plumes
England, environmental geology 175(1-4) 473-509
ground water 179(1-4) 237-258
Plynlimon Wales
hydrology 179(1-4) 67-86
Podzols
France, geochemistry 177(1-2) 47-63
Scotland, hydrology 186(1-4) 385-404
pollution *see also* acid mine drainage; acid rain; agrochemicals; heavy metals; land use; oil spills; PCBs; petroleum products; trace metals; waste disposal
180(1-4) 195-210; 183(1-2) 151-168; 185(1-4) 199-219
California, hydrogeology 178(1-4) 181-204
England
ground water 184(3-4) 355-379
hydrogeology 177(3-4) 199-211
Germany, ground water 183(1-2) 117-138
ground water 174(1-2) 57-82; 175(1-4) 453-471; 179(1-4) 237-258; 179(1-4) 321-351; 180(1-4) 139-153; 182(1-4) 175-194; 182(1-4) 195-207; 183(1-2) 1-190; 183(1-2) 169-190; 186(1-4) 317-327
hydrogeology 177(3-4) 177-198; 178(1-4) 337-350
hydrology 184(3-4) 261-276
Kansas, ground water 176(1-4) 133-151
Maine 182(1-4) 83-104
Mexico, hydrogeology 177(3-4) 199-211; 185(1-4) 23-44
Nevada, hydrogeology 178(1-4) 181-204
soils 178(1-4) 93-108; 180(1-4) 21-29
Vietnam, hydrogeology 180(1-4) 361-371
polychlorobiphenyls *see* PCBs
ponding
hydrology 178(1-4) 369-380
Ponte Rotto Basin
geologic hazards 175(1-4) 533-554
Porter County Indiana
hydrology 184(3-4) 189-208
Postglacial *see* Holocene
potassium
India, ground water 174(1-2) 173-201
Maine, pollution 182(1-4) 83-104
Precambrian Shield *see* Canadian Shield
PROFILE
Quaternary 177(1-2) 99-116
psammite *see* sandstone
Punjab Pakistan
hydrogeology 174(3-4) 357-374
quasi-Newtonian methods
hydrology 181(1-4) 233-250
Quaternary *see also* Holocene
England 180(1-4) 79-107
India 174(1-2) 173-201; 177(1-2) 77-97
Quebec
hydrology 186(1-4) 63-84
Queensland Australia
hydrogeology 179(1-4) 137-157
radioactive decay *see* absolute age
radioactive isotopes *see* C-14; tritium
radioactive waste
Nevada, hydrogeology 186(1-4) 43-62
Sweden, ground water 180(1-4) 1-19
radiocarbon dating *see* C-14
rain *see* acid rain
rainforests
Malaysia, ecology 174(1-2) 129-148
Peru, hydrology 180(1-4) 237-250
rate of sedimentation *see* sedimentation rates
Ravi River
hydrogeology 174(3-4) 357-374

Real Collobrier Basin
hydrology 175(1-4) 293-338; 175(1-4) 595-613
Recent *see* Holocene
recharge *see also* hydrologic cycle; infiltration
Bolivia, hydrogeology 180(1-4) 155-172
California, hydrogeology 179(1-4) 207-236
England, ground water 185(1-4) 87-114
Greece, hydrogeology 182(1-4) 1-17
hydrogeology 174(3-4) 211-220
India, hydrogeology 177(1-2) 77-97
Mexico, hydrogeology 185(1-4) 23-44
Morocco, ground water 183(3-4) 433-443
Ohio, ground water 186(1-4) 31-42
Pakistan, hydrogeology 174(3-4) 357-374
Queensland Australia, hydrogeology 179(1-4) 137-157
Saudi Arabia, ground water 186(1-4) 153-159
Victoria Australia, hydrogeology 181(1-4) 63-83
Western Australia, hydrogeology 179(1-4) 137-157
reclamation
China, Quaternary 185(1-4) 221-240
regression analysis *see* autoregression
REML method
hydrology 182(1-4) 277-295
remote sensing *see also* SAR
hydrology 184(1-2) 101-129
Oklahoma, hydrology 184(1-2) 85-99
Renfrew County Ontario *see* Chalk River Ontario
reservoirs
England, hydrogeology 177(3-4) 199-211
hydrogeology 182(1-4) 259-275
hydrology 180(1-4) 351-360; 182(1-4) 227-238
Mexico, hydrogeology 177(3-4) 199-211
Retama sphaerocarpa
ecology 177(1-2) 23-31
Reventazon River
hydrology 183(3-4) 227-241
Reynolds Creek basin
hydrogeology 175(1-4) 181-211
Riley County Kansas *see* Manhattan Kansas
Rimbaud Basin
hydrology 175(1-4) 595-613
rings, tree *see* tree rings
Rio Itajai-Acu
hydrology 182(1-4) 277-295
Rio Lerma Basin
hydrogeology 177(3-4) 199-211
River Culm
hydrology 186(1-4) 277-295
rivers *see* channels; drainage basins; meanders; stream transport
rock mechanics
Sweden, ground water 180(1-4) 1-19
rock-water interface *see* water-rock interaction
ROCKFLOW
ground water 180(1-4) 1-19
Royston England
environmental geology 175(1-4) 473-509
rural environment
England, pollution 182(1-4) 37-64
France, hydrology 181(1-4) 1-22
Russian Federation *see* Don River
Russian Republic *see* Russian Federation
S *see* sulfur
Sabah Malaysia
ecology 174(1-2) 129-148
Sacramento Basin
hydrology 184(3-4) 209-223
Sacramento California
hydrogeology 178(1-4) 205-222
Sacramento Valley
hydrogeology 178(1-4) 205-222
Saint Venant equations
hydrology 186(1-4) 1-30
waterways 176(1-4) 13-23
saline water *see* salt water
salt lakes
Western Australia, hydrogeology 185(1-4) 241-274
Salt River valley
Quaternary 182(1-4) 239-257
salt water *see also* salt-water intrusion
ground water 179(1-4) 159-180
salt-water intrusion
hydrogeology 174(3-4) 211-220
India
ground water 174(1-2) 173-201
hydrogeology 176(1-4) 25-36
Kansas, ground water 176(1-4) 133-151
Texas, hydrogeology 181(1-4) 251-283
SAMP model
ground water 182(1-4) 175-194; 182(1-4) 195-207
San Francisco Bay region
geologic hazards 174(3-4) 375-396
hydrogeology 176(1-4) 181-203
hydrology 186(1-4) 255-275
San Luis Potosi Mexico
hydrogeology 185(1-4) 23-44
sand
geologic hazards 178(1-4) 109-136
ground water 186(1-4) 317-327
Netherlands, ground water 177(1-2) 33-45
Ontario, ground water 178(1-4) 223-240
soils 178(1-4) 93-108
sand bars *see* bars
sandstone
South Africa, hydrogeology 179(1-4) 111-136
Santa Catarina Brazil
hydrology 182(1-4) 277-295
Santa Clara County California
geologic hazards 174(3-4) 375-396
Santa Clara Valley
geologic hazards 174(3-4) 375-396
SAR
Michigan, hydrology 184(1-2) 57-84
Saskatchewan
hydrology 184(3-4) 277-298

Saudi Arabia
ground water, Hejaz Saudi Arabia 186(1-4) 153-159
hydrology 176(1-4) 1-12
Scandinavia *see* Denmark; Finland; Sweden
Scargle method
Quaternary 182(1-4) 239-257
Scheldt River
pollution 174(1-2) 1-18
Scotland
hydrology 179(1-4) 67-86; 186(1-4) 385-404
Quaternary 183(3-4) 397-424
Se *see* selenium
sea water
California, hydrogeology 176(1-4) 181-203
Italy, hydrology 179(1-4) 377-389
sea-water intrusion *see* salt-water intrusion
sediment transport *see also* stream transport
Belgium, pollution 174(1-2) 1-18
hydrology 178(1-4) 351-367
India, hydrology 181(1-4) 49-62
Netherlands, pollution 174(1-2) 1-18
sedimentary petrology *see* diagenesis; sedimentation; sediments; weathering
sedimentary rocks
carbonate rocks
California 178(1-4) 181-204
England 184(3-4) 355-379
Greece 182(1-4) 1-17
Nevada 178(1-4) 181-204
Texas 181(1-4) 251-283
chalk, England 175(1-4) 473-509
limestone
England 180(1-4) 79-107
Kansas 186(1-4) 191-229
Morocco 183(3-4) 433-443
sandstone, South Africa 179(1-4) 111-136
sedimentation *see also* sediment transport
estuarine sedimentation
Belgium 174(1-2) 1-18
California 176(1-4) 181-203
Netherlands 174(1-2) 1-18
fluvial sedimentation
California 176(1-4) 181-203
China 181(1-4) 85-103
Costa Rica 183(3-4) 227-241
England 186(1-4) 277-295
hydrogeology 176(1-4) 296-297
Iowa 175(1-4) 213-238
Japan 186(1-4) 297-315
Wyoming 175(1-4) 213-238
glaciofluvial sedimentation, India 181(1-4) 49-62
sedimentation rates
California, hydrogeology 176(1-4) 181-203
Costa Rica, hydrology 183(3-4) 227-241
England, hydrology 186(1-4) 277-295
sediments *see also* peat
carbonate sediments, soils 178(1-4) 93-108
clay, England 175(1-4) 383-406
England, hydrology 186(1-4) 277-295
Japan, hydrology 186(1-4) 297-315
marine sediments, soils 178(1-4) 93-108
Ontario, ground water 180(1-4) 267-281
sand
geologic hazards 178(1-4) 109-136
ground water 186(1-4) 317-327
Netherlands 177(1-2) 33-45
Ontario 178(1-4) 223-240
soils 178(1-4) 93-108
till, Illinois 176(1-4) 57-77
Seeland *see* Zealand
Segura River basin
hydrogeology 177(3-4) 269-291
selenium
California, hydrogeology 178(1-4) 181-204
Nevada, hydrogeology 178(1-4) 181-204
sensing, remote *see* remote sensing
Seymour River basin
hydrology 174(1-2) 37-56
shallow aquifers
Colorado, ground water 186(1-4) 129-151
Georgia, hydrogeology 174(3-4) 243-261
ground water 176(1-4) 37-55
hydrogeology 184(3-4) 299-315
Ontario, ground water 180(1-4) 267-281
Victoria Australia, hydrogeology 181(1-4) 63-83
Shannon Ireland
hydrology 180(1-4) 109-138
Shasta County California
hydrogeology 179(1-4) 207-236
SHE model
hydrogeology 175(1-4) 181-211
hydrology 175(1-4) 67-88; 175(1-4) 89-111; 175(1-4) 213-238; 175(1-4) 583-594; 175(1-4) 595-613
SHESED model
hydrology 175(1-4) 213-238
SHETRAN model
hydrogeology 179(1-4) 37-66
hydrology 174(3-4) 285-304; 175(1-4) 583-594; 175(1-4) 595-613; 177(3-4) 213-235
Shikoku
hydrology 174(3-4) 221-234
shore features *see* lagoons
Si *see* silicon
Sierra de los Filabres
ecology 177(1-2) 23-31
Sieve River basin
hydrology 175(1-4) 293-338
silicates *see* aluminosilicates
silicon
California, hydrogeology 176(1-4) 181-203
SIMPLEX
hydrology 174(3-4) 221-234
SIMRISK
hydrogeology 177(3-4) 269-291
Sjaeland *see* Zealand
Slovakian Carpathians
hydrology 180(1-4) 333-350
slug tests
ground water 176(1-4) 153-180; 183(3-4) 263-275
SMAR model
hydrology 185(1-4) 275-295
sodium
Maine, pollution 182(1-4) 83-104
Scotland, hydrology 186(1-4) 385-404

Texas, hydrogeology 181(1-4) 251-283
Western Australia, hydrogeology 185(1-4) 241-274
software *see* computer programs
SOILN model
hydrogeology 182(1-4) 157-173
soils *see also* infiltration; land use; lysimeters; reclamation; tillage; weathering
178(1-4) 93-108; 180(1-4) 21-29
Bog soils, Ontario 181(1-4) 285-304
Brazil
hydrogeology 183(3-4) 191-204
hydrology 182(1-4) 117-141
California, hydrology 186(1-4) 255-275
Cambisols, Scotland 186(1-4) 385-404
Clay soils, hydrogeology 182(1-4) 157-173
England
hydrogeology 174(3-4) 305-330; 179(1-4) 37-66
hydrology 181(1-4) 323-342
geophysical surveys 185(1-4) 137-146
ground water 176(1-4) 37-55; 180(1-4) 139-153; 182(1-4) 175-194; 182(1-4) 195-207; 183(1-2) 169-190; 186(1-4) 317-327
hydrogeology 178(1-4) 33-53; 178(1-4) 69-91; 178(1-4) 337-350; 183(3-4) 351-366; 183(3-4) 367-382; 183(3-4) 383-395
hydrology 174(3-4) 263-284; 178(1-4) 351-367; 180(1-4) 373-394; 181(1-4) 189-209; 181(1-4) 233-250; 182(1-4) 65-82; 183(3-4) 425-431; 184(1-2) 1-152; 184(1-2) 3-17; 184(1-2) 19-34; 184(1-2) 35-55; 184(1-2) 101-129; 185(1-4) 147-169
Illinois, hydrology 184(1-2) 131-152
India, hydrogeology 177(1-2) 77-97
Iowa, hydrology 175(1-4) 213-238
Iraq, hydrology 181(1-4) 105-126
Japan, hydrology 174(3-4) 221-234; 186(1-4) 297-315
loam
hydrology 186(1-4) 329-344
India 179(1-4) 197-205
Michigan, hydrology 184(1-2) 57-84
Mississippi, hydrology 181(1-4) 23-48
Netherlands, ground water 177(1-2) 33-45
North Carolina, hydrogeology 181(1-4) 211-232
North Sea, pollution 183(1-2) 101-116
Oklahoma, hydrology 184(1-2) 85-99
Ontario, hydrogeology 181(1-4) 127-147
Podzols
France 177(1-2) 47-63
Scotland 186(1-4) 385-404
pollution 180(1-4) 195-210
Queensland Australia, hydrogeology 179(1-4) 137-157
Spain, hydrology 179(1-4) 259-280
Vietnam, hydrogeology 180(1-4) 361-371
Western Australia, hydrogeology 179(1-4) 137-157
Wyoming, hydrology 175(1-4) 213-238
Solano County California
hydrogeology 178(1-4) 205-222
solar activity
Italy, hydrology 179(1-4) 377-389
solute transport
England, ground water 184(3-4) 355-379
France, hydrology 181(1-4) 1-22
Germany, ground water 183(1-2) 117-138
ground water 174(1-2) 57-82; 179(1-4) 237-258; 179(1-4) 321-351; 180(1-4) 139-153; 182(1-4) 175-194; 182(1-4) 195-207; 183(1-2) 169-190; 186(1-4) 317-327
hydrogeology 178(1-4) 337-350
hydrology 184(3-4) 261-276
Ontario, hydrogeology 180(1-4) 55-78
pollution 180(1-4) 195-210; 183(1-2) 139-149; 183(1-2) 151-168
soils 180(1-4) 21-29
Vietnam, hydrogeology 180(1-4) 361-371
Sosna River
hydrology 179(1-4) 23-36
South Africa
hydrogeology, Cape Province South Africa 179(1-4) 111-136
South America *see also* Andes; Bolivia; Brazil; Peru
hydrogeology, Amazon Basin 183(3-4) 191-204
hydrology
Amazon Basin 180(1-4) 237-250; 182(1-4) 277-295
Lake Titicaca 176(1-4) 227-247
South Arcot
hydrogeology 177(1-2) 77-97
South Dakota
hydrology 175(1-4) 511-532
South Island
hydrogeology 186(1-4) 161-190
hydrology 184(3-4) 175-187
South Korea *see* Cheju Island
South Platte River
hydrogeology 186(1-4) 105-128
Southern Africa *see* South Africa
Southern Europe *see* Iberian Peninsula; Italy; Macedonia
Southern Oscillation
New Zealand, hydrology 184(3-4) 175-187
Spain *see also* Tagus Basin
ecology, Sierra de los Filabres 177(1-2) 23-31
hydrology
Albacete Spain 179(1-4) 259-280
Aragon Spain 174(1-2) 19-35
Quaternary, Catalonia Spain 177(1-2) 99-116
Spannenburg Netherlands
ground water 180(1-4) 301-318
Spermatophyta *see* angiosperms
spills, oil *see* oil spills

springs
Armenia 179(1-4) 87-109
Bolivia 180(1-4) 155-172
California 178(1-4) 181-204; 179(1-4) 207-236
Canada 179(1-4) 1-21
Greece 182(1-4) 1-17
Korea 179(1-4) 1-21
Nevada 178(1-4) 181-204
Texas 181(1-4) 251-283
Sr *see* strontium
Sr-87/Sr-86
Texas, hydrogeology 181(1-4) 251-283
Sri Lanka
hydrology 185(1-4) 389-407
stable isotopes *see* C-13/C-12; D/H; deuterium; O-18; O-18/O-16; Sr-87/Sr-86
statistical analysis *see* cokriging; kriging; regression analysis; trend-surface analysis
storm sewers
United Kingdom, hydrology 175(1-4) 17-46
stratigraphy *see* Cretaceous; Holocene; Permian; Pliocene; Quaternary
stream flow *see* streamflow
stream transport *see also* fluvial sedimentation
England 174(3-4) 285-304
streamflow
Africa, hydrology 185(1-4) 335-348
Australia, hydrology 178(1-4) 277-291
California, hydrology 184(3-4) 209-223
England
hydrology 181(1-4) 323-342
Quaternary 183(3-4) 397-424
Finland, hydrology 179(1-4) 281-304
Georgia, hydrogeology 174(3-4) 243-261
hydrology 176(1-4) 285-286; 179(1-4) 353-375; 184(3-4) 225-241
Malaysia, ecology 174(1-2) 129-148
New Zealand, hydrology 184(3-4) 175-187
Scotland, Quaternary 183(3-4) 397-424
Spain, Quaternary 177(1-2) 99-116
Sweden, hydrology 179(1-4) 281-304
waterways 176(1-4) 13-23
streams *see also* braided streams
Kansas, hydrogeology 186(1-4) 191-229
strontium
Morocco, ground water 183(3-4) 445-451
Sr-87/Sr-86, Texas 181(1-4) 251-283
Western Australia, hydrogeology 185(1-4) 241-274
structural geology *see* faults; fractures
subsidence craters
Nevada, hydrogeology 186(1-4) 43-62
sulfates
Vietnam, hydrogeology 180(1-4) 361-371
sulfur
Ontario, hydrogeology 180(1-4) 55-78
sulphates *see* sulfates
swamps *see* bogs
SWAT model
hydrogeology 176(1-4) 57-77
Sweden
ground water 180(1-4) 1-19
hydrology 179(1-4) 281-304; 180(1-4) 211-236
symposia
ground water 183(1-2) 1-190
hydrology 184(1-2) 1-152
synthetic aperture radar *see* SAR
Systeme Hydrologique Europeen model
hydrogeology 175(1-4) 181-211
hydrology 175(1-4) 67-88; 175(1-4) 213-238
Tadla Basin
ground water 183(3-4) 433-443; 183(3-4) 445-451
Tagus Basin
hydrogeology 177(3-4) 269-291
tailings dams
Ontario, hydrogeology 180(1-4) 55-78
Takaragawa Forest Watershed Experiment Station
hydrology 183(3-4) 205-225
Tamil Nadu India *see also* Neyveli India; South Arcot
ecology 178(1-4) 257-276
ground water 174(1-2) 173-201
Tamiraparani River basin
ecology 178(1-4) 257-276
Tan Thanh Vietnam
hydrogeology 180(1-4) 361-371
Tanjavur India
ground water 174(1-2) 173-201
Tanzania
hydrology 185(1-4) 317-333
technical cooperation
Manitoba, hydrogeology 177(3-4) 237-251
tectonic lines *see* lineaments
tectonophysics *see* plate tectonics
Tenerife
hydrology 183(3-4) 307-321
Tengger Desert
Quaternary 185(1-4) 221-240
Tennessee
ground water, Anderson County Tennessee 174(3-4) 331-355
Tertiary *see* Neogene; Paleogene
Texas *see also* Wilcox Group
hydrogeology, Edwards Aquifer 181(1-4) 251-283
Thames River
hydrogeology 177(3-4) 199-211
pollution 186(1-4) 365-383
The Himalaya *see* Himalayas
Theodosia Ukraine
hydrology 182(1-4) 19-35
thermal waters
Mexico 185(1-4) 23-44
Thompson River
hydrogeology 182(1-4) 209-225
Thrace *see* Greek Thrace
throughfall
hydrology 185(1-4) 349-361; 186(1-4) 345-364
Tien Shan
hydrogeology 186(1-4) 231-253
tile drains
hydrogeology 183(3-4) 351-366; 183(3-4) 367-382; 183(3-4) 383-395

till
Illinois, hydrogeology 176(1-4) 57-77
tillage
Nepal, hydrology 185(1-4) 71-86
pollution 183(1-2) 139-149
time domain reflectometry
hydrology 182(1-4) 65-82
Timmins Ontario
hydrogeology 180(1-4) 55-78
Tomales Bay
hydrogeology 176(1-4) 181-203
hydrology 186(1-4) 255-275
TOPMODEL
hydrology 175(1-4) 293-338
trace metals
England, pollution 182(1-4) 37-64
India, environmental geology 182(1-4) 105-115
tracers *see also* D/H
Canada, hydrogeology 179(1-4) 1-21
France
ground water 185(1-4) 1-21
hydrology 181(1-4) 1-22
ground water 176(1-4) 153-180; 179(1-4) 237-258; 183(3-4) 263-275
hydrology 184(3-4) 261-276; 184(3-4) 317-336
India, hydrogeology 177(1-2) 77-97
Korea, hydrogeology 179(1-4) 1-21
Mexico, hydrogeology 185(1-4) 23-44
Ohio, ground water 186(1-4) 31-42
Saudi Arabia, ground water 186(1-4) 153-159
Spain, ecology 177(1-2) 23-31
transformations, Laplace *see* Laplace transformations
transport *see also* sediment transport; stream transport
Canada, hydrogeology 179(1-4) 1-21
England, environmental geology 175(1-4) 383-406; 175(1-4) 429-452; 175(1-4) 473-509
ground water 175(1-4) 453-471; 176(1-4) 153-180; 179(1-4) 181-195; 183(1-2) 1-190
Kansas, ground water 176(1-4) 133-151
Korea, hydrogeology 179(1-4) 1-21
pollution 185(1-4) 199-219
tree rings
Arizona, Quaternary 182(1-4) 239-257
trenching
Netherlands, ground water 177(1-2) 33-45
trend-surface analysis
hydrology 178(1-4) 381-400
triazines *see* atrazine
tritium
Bolivia, hydrogeology 180(1-4) 155-172
Georgia, hydrogeology 174(3-4) 243-261
Greece, hydrogeology 182(1-4) 1-17
India, hydrogeology 177(1-2) 77-97
New Zealand, hydrogeology 186(1-4) 161-190
Ohio, ground water 186(1-4) 31-42
turning bands method
hydrology 175(1-4) 113-127; 175(1-4) 129-159; 175(1-4) 161-180
United Kingdom, hydrology 175(1-4) 67-88
Turonian
Morocco 183(3-4) 433-443; 183(3-4) 445-451
Tuscany Italy *see* Arno River basin
Tyne River
hydrogeology 179(1-4) 37-66
hydrology 174(3-4) 285-304; 175(1-4) 407-428
typology
Brazil, hydrology 182(1-4) 117-141
Ubangi-Shari *see* Central African Republic
Uganda *see* Lake Victoria
Ukraine
hydrology, Crimea Ukraine 182(1-4) 19-35
underground water *see* ground water
United Kingdom *see also* Great Britain
hydrology 175(1-4) 17-46; 175(1-4) 47-65; 183(3-4) 277-306
United States *see also* Arizona; Atlantic Coastal Plain; California; Colorado; Georgia; Idaho; Illinois; Indiana; Iowa; Kansas; Maine; Michigan; Midwest; Minnesota; Mississippi; Missouri; Nebraska; Nevada; New England; New York; North Carolina; North Dakota; Ohio; Oklahoma; South Dakota; Tennessee; Texas; Wisconsin; Wyoming
hydrogeology
Cascade Range 179(1-4) 207-236
South Platte River 186(1-4) 105-128
hydrology 176(1-4) 79-95; 177(3-4) 253-268
Arkansas River 178(1-4) 381-400
Lake Tahoe 181(1-4) 149-168
Upper Cretaceous *see* Turonian
Upper Jurassic *see* Oxfordian
Uttar Pradesh India *see also* Garhwal Himalayas
environmental geology 182(1-4) 105-115
Valentia Ireland
hydrology 180(1-4) 109-138
validation
France, hydrology 175(1-4) 595-613
hydrology 175(1-4) 583-594
United Kingdom, hydrology 175(1-4) 17-46
Van Genuchten model
hydrology 179(1-4) 197-205
Var France
hydrology 175(1-4) 293-338; 175(1-4) 595-613
Veneto Italy *see also* Venice Italy
hydrology 181(1-4) 169-187
Venice Italy
hydrology 179(1-4) 377-389
Verde Valley
Quaternary 182(1-4) 239-257
verification
hydrology 174(3-4) 235-241

vertebrates *see* fish
Victoria Australia *see also* Murray Basin
hydrology 178(1-4) 311-335
Vietnam
hydrogeology, Mekong Delta 180(1-4) 361-371
virus transport
pollution 185(1-4) 199-219
Viterbo Italy
geologic hazards 175(1-4) 533-554
volatile organic compounds
Colorado, ground water 186(1-4) 129-151
volcanic rocks *see also* basalts
Mexico, hydrogeology 185(1-4) 23-44
Vosges Mountains
geochemistry 177(1-2) 47-63
Waimakariri River
hydrogeology 186(1-4) 161-190
Wales
hydrology 176(1-4) 97-113; 178(1-4) 1-18; 179(1-4) 67-86
pollution 186(1-4) 365-383
Washoe County Nevada
hydrology 181(1-4) 149-168
WASP model
pollution 174(1-2) 1-18
waste disposal *see also* geologic hazards; landfills; radioactive waste
England 175(1-4) 383-406; 175(1-4) 473-509
India 182(1-4) 105-115
Tennessee, ground water 174(3-4) 331-355
waste, radioactive *see* radioactive waste
waste-disposal ponds
England, environmental geology 175(1-4) 473-509
water cycle *see* hydrologic cycle
water hardness
hydrology 178(1-4) 381-400
Kansas, hydrogeology 186(1-4) 191-229
water repellency
Netherlands, ground water 184(3-4) 153-173
water resources *see also* reservoirs
Africa, hydrology 176(1-4) 294-296
Brazil, hydrology 182(1-4) 117-141
hydrogeology 177(3-4) 177-198
hydrology 176(1-4) 298; 177(3-4) 161-291; 177(3-4) 253-268
Manitoba, hydrogeology 177(3-4) 237-251
Spain, hydrogeology 177(3-4) 269-291
water-rock interaction
Texas, hydrogeology 181(1-4) 251-283
Water-Ware
hydrogeology 177(3-4) 177-198; 177(3-4) 199-211
hydrology 177(3-4) 163-175
waterways
176(1-4) 13-23
England, hydrology 186(1-4) 277-295
France, hydrology 186(1-4) 1-30
hydrology 174(3-4) 235-241; 178(1-4) 19-32; 179(1-4) 353-375; 184(3-4) 225-241
Italy
geologic hazards 175(1-4) 533-554
hydrology 175(1-4) 239-265
United Kingdom, hydrology 175(1-4) 407-428
WAVES
hydrology 185(1-4) 147-169
weathering
Central African Republic, hydrology 180(1-4) 319-332
Maine, pollution 182(1-4) 83-104
South Africa, hydrogeology 179(1-4) 111-136
Spain, Quaternary 177(1-2) 99-116
Weld County Colorado *see* Greeley Colorado
well-logging
France, ground water 185(1-4) 1-21
West Africa *see* Ghana; Nigeria
Western Australia
hydrogeology 185(1-4) 241-274
Canning Basin 179(1-4) 137-157
Western Canada *see* British Columbia; Manitoba; Saskatchewan
Western Europe *see* Belgium; France; Ireland; Netherlands; Scandinavia; Scheldt River; United Kingdom
wetlands *see also* bogs; swamps
England, ground water 185(1-4) 87-114
hydrogeology 184(3-4) 299-315
Indiana, hydrology 184(3-4) 189-208
Ohio, ground water 186(1-4) 31-42
WHAM
hydrogeology 174(3-4) 305-330
Wilcox Group
ground water 183(1-2) 1-22
wireline logging *see* well-logging
Wisconsin
hydrology 175(1-4) 511-532
Woodford County Illinois
hydrogeology 176(1-4) 57-77
Wye Valley
hydrology 175(1-4) 67-88; 175(1-4) 89-111
Wyoming
hydrology 175(1-4) 213-238
Yalgorup National Park
hydrogeology 185(1-4) 241-274
Yarra River
hydrology 178(1-4) 311-335
Yavapai County Arizona
Quaternary 182(1-4) 239-257
Yolo County California
hydrogeology 178(1-4) 205-222
Yorkshire England *see* North Yorkshire England
Yucca Mountain
hydrogeology 178(1-4) 181-204
Zealand
hydrology 179(1-4) 305-319
zinc
India, environmental geology 182(1-4) 105-115